



Cartridge Heaters

closing the loop on thermal solutions

STANDARD CARTRIDGE HEATERS

Diameter	Length	Wattage	Voltage	Style	Leads Length	Part Numbers
1/4" (0.246" ± 0.002")	1"	80	120	F1	12"	DSW-4D010F1-00802
1/4" (0.246" ± 0.002")	1"	100	120	F1	12"	DSW-4D010F1-01002
1/4" (0.246" ± 0.002")	1"	80	240	F1	12"	DSW-4D010F1-00805
1/4" (0.246" ± 0.002")	1"	100	240	F1	12"	DSW-4D010F1-01005
1/4" (0.246" ± 0.002")	1"	80	120	B1	15"	DSW-4D010B1-00802
1/4" (0.246" ± 0.002")	1"	100	120	B1	15"	DSW-4D010B1-01002
1/4" (0.246" ± 0.002")	1"	80	240	B1	15"	DSW-4D010B1-00805
1/4" (0.246" ± 0.002")	1"	100	240	B1	15"	DSW-4D010B1-01005
1/4" (0.246" ± 0.002")	1"	80	120	C1	15"	DSW-4D010C1-00802
1/4" (0.246" ± 0.002")	1"	100	120	C1	15"	DSW-4D010C1-01002
1/4" (0.246" ± 0.002")	1"	80	240	C1	15"	DSW-4D010C1-00805
1/4" (0.246" ± 0.002")	1"	100	240	C1	15"	DSW-4D010C1-01005
1/4" (0.246" ± 0.002")	1.5"	100	120	F1	12"	DSW-4D01HF1-01002
1/4" (0.246" ± 0.002")	1.5"	150	120	F1	12"	DSW-4D01HF1-01502
1/4" (0.246" ± 0.002")	1.5"	200	120	F1	12"	DSW-4D01HF1-02002
1/4" (0.246" ± 0.002")	1.5"	100	240	F1	12"	DSW-4D01HF1-01005
1/4" (0.246" ± 0.002")	1.5"	150	240	F1	12"	DSW-4D01HF1-01505
1/4" (0.246" ± 0.002")	1.5"	200	240	F1	12"	DSW-4D01HF1-02005
1/4" (0.246" ± 0.002")	1.5"	100	120	B1	15"	DSW-4D01HB1-01002
1/4" (0.246" ± 0.002")	1.5"	150	120	B1	15"	DSW-4D01HB1-01502
1/4" (0.246" ± 0.002")	1.5"	200	120	B1	15"	DSW-4D01HB1-02002
1/4" (0.246" ± 0.002")	1.5"	100	240	B1	15"	DSW-4D01HB1-01005
1/4" (0.246" ± 0.002")	1.5"	150	240	B1	15"	DSW-4D01HB1-01505
1/4" (0.246" ± 0.002")	1.5"	200	240	B1	15"	DSW-4D01HB1-02005
1/4" (0.246" ± 0.002")	1.5"	100	120	C1	15"	DSW-4D01HC1-01002
1/4" (0.246" ± 0.002")	1.5"	150	120	C1	15"	DSW-4D01HC1-01502
1/4" (0.246" ± 0.002")	1.5"	200	120	C1	15"	DSW-4D01HC1-02002
1/4" (0.246" ± 0.002")	1.5"	100	240	C1	15"	DSW-4D01HC1-01005
1/4" (0.246" ± 0.002")	1.5"	150	240	C1	15"	DSW-4D01HC1-01505
1/4" (0.246" ± 0.002")	1.5"	200	240	C1	15"	DSW-4D01HC1-02005
1/4" (0.246" ± 0.002")	2"	125	120	F1	12"	DSW-4D020F1-01252
1/4" (0.246" ± 0.002")	2"	150	120	F1	12"	DSW-4D020F1-01502
1/4" (0.246" ± 0.002")	2"	200	120	F1	12"	DSW-4D020F1-02002
1/4" (0.246" ± 0.002")	2"	250	120	F1	12"	DSW-4D020F1-02502
1/4" (0.246" ± 0.002")	2"	125	240	F1	12"	DSW-4D020F1-01255
1/4" (0.246" ± 0.002")	2"	150	240	F1	12"	DSW-4D020F1-01505
1/4" (0.246" ± 0.002")	2"	200	240	F1	12"	DSW-4D020F1-02005
1/4" (0.246" ± 0.002")	2"	250	240	F1	12"	DSW-4D020F1-02505
1/4" (0.246" ± 0.002")	2"	125	120	B1	15"	DSW-4D020B1-01252
1/4" (0.246" ± 0.002")	2"	150	120	B1	15"	DSW-4D020B1-01502
1/4" (0.246" ± 0.002")	2"	200	120	B1	15"	DSW-4D020B1-02002
1/4" (0.246" ± 0.002")	2"	250	120	B1	15"	DSW-4D020B1-02502
1/4" (0.246" ± 0.002")	2"	125	240	B1	15"	DSW-4D020B1-01255
1/4" (0.246" ± 0.002")	2"	150	240	B1	15"	DSW-4D020B1-01505
1/4" (0.246" ± 0.002")	2"	200	240	B1	15"	DSW-4D020B1-02005
1/4" (0.246" ± 0.002")	2"	250	240	B1	15"	DSW-4D020B1-02505
1/4" (0.246" ± 0.002")	2"	125	120	C1	15"	DSW-4D020C1-01252
1/4" (0.246" ± 0.002")	2"	150	120	C1	15"	DSW-4D020C1-01502
1/4" (0.246" ± 0.002")	2"	200	120	C1	15"	DSW-4D020C1-02002
1/4" (0.246" ± 0.002")	2"	250	120	C1	15"	DSW-4D020C1-02502
1/4" (0.246" ± 0.002")	2"	125	240	C1	15"	DSW-4D020C1-01255
1/4" (0.246" ± 0.002")	2"	150	240	C1	15"	DSW-4D020C1-01505
1/4" (0.246" ± 0.002")	2"	200	240	C1	15"	DSW-4D020C1-02005

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Diameter	Length	Wattage	Voltage	Style	Leads Length	Part Numbers
1/4" (0.246" ± 0.002")	2"	250	240	C1	15"	DSW-4D020C1-02505
1/4" (0.246" ± 0.002")	2.5"	200	120	F1	12"	DSW-4D02HF1-02002
1/4" (0.246" ± 0.002")	2.5"	250	120	F1	12"	DSW-4D02HF1-02502
1/4" (0.246" ± 0.002")	2.5"	200	240	F1	12"	DSW-4D02HF1-02005
1/4" (0.246" ± 0.002")	2.5"	250	240	F1	12"	DSW-4D02HF1-02505
1/4" (0.246" ± 0.002")	2.5"	200	120	B1	15"	DSW-4D02HB1-02002
1/4" (0.246" ± 0.002")	2.5"	250	120	B1	15"	DSW-4D02HB1-02502
1/4" (0.246" ± 0.002")	2.5"	200	240	B1	15"	DSW-4D02HB1-02005
1/4" (0.246" ± 0.002")	2.5"	250	240	B1	15"	DSW-4D02HB1-02505
1/4" (0.246" ± 0.002")	3"	100	120	F1	12"	DSW-4D030F1-01002
1/4" (0.246" ± 0.002")	3"	200	120	F1	12"	DSW-4D030F1-02002
1/4" (0.246" ± 0.002")	3"	250	120	F1	12"	DSW-4D030F1-02502
1/4" (0.246" ± 0.002")	3"	300	120	F1	12"	DSW-4D030F1-03002
1/4" (0.246" ± 0.002")	3"	100	240	F1	12"	DSW-4D030F1-01005
1/4" (0.246" ± 0.002")	3"	200	240	F1	12"	DSW-4D030F1-02005
1/4" (0.246" ± 0.002")	3"	250	240	F1	12"	DSW-4D030F1-02505
1/4" (0.246" ± 0.002")	3"	300	240	F1	12"	DSW-4D030F1-03005
1/4" (0.246" ± 0.002")	3"	100	120	B1	15"	DSW-4D030B1-01002
1/4" (0.246" ± 0.002")	3"	200	120	B1	15"	DSW-4D030B1-02002
1/4" (0.246" ± 0.002")	3"	250	120	B1	15"	DSW-4D030B1-02502
1/4" (0.246" ± 0.002")	3"	300	120	B1	15"	DSW-4D030B1-03002
1/4" (0.246" ± 0.002")	3"	100	240	B1	15"	DSW-4D030B1-01005
1/4" (0.246" ± 0.002")	3"	200	240	B1	15"	DSW-4D030B1-02005
1/4" (0.246" ± 0.002")	3"	250	240	B1	15"	DSW-4D030B1-02505
1/4" (0.246" ± 0.002")	3"	300	240	B1	15"	DSW-4D030B1-03005
1/4" (0.246" ± 0.002")	3"	100	120	C1	15"	DSW-4D030C1-01002
1/4" (0.246" ± 0.002")	3"	200	120	C1	15"	DSW-4D030C1-02002
1/4" (0.246" ± 0.002")	3"	250	120	C1	15"	DSW-4D030C1-02502
1/4" (0.246" ± 0.002")	3"	300	120	C1	15"	DSW-4D030C1-03002
1/4" (0.246" ± 0.002")	3"	100	240	C1	15"	DSW-4D030C1-01005
1/4" (0.246" ± 0.002")	3"	200	240	C1	15"	DSW-4D030C1-02005
1/4" (0.246" ± 0.002")	3"	250	240	C1	15"	DSW-4D030C1-02505
1/4" (0.246" ± 0.002")	3"	300	240	C1	15"	DSW-4D030C1-03005
1/4" (0.246" ± 0.002")	3.5"	300	120	F1	12"	DSW-4D03HF1-03002
1/4" (0.246" ± 0.002")	3.5"	300	240	F1	12"	DSW-4D03HF1-03005
1/4" (0.246" ± 0.002")	3.5"	300	120	B1	15"	DSW-4D03HB1-03002
1/4" (0.246" ± 0.002")	3.5"	300	240	B1	15"	DSW-4D03HB1-03005
1/4" (0.246" ± 0.002")	4"	200	120	F1	12"	DSW-4D040F1-02002
1/4" (0.246" ± 0.002")	4"	265	120	F1	12"	DSW-4D040F1-02652
1/4" (0.246" ± 0.002")	4"	300	120	F1	12"	DSW-4D040F1-03002
1/4" (0.246" ± 0.002")	4"	200	240	F1	12"	DSW-4D040F1-02005
1/4" (0.246" ± 0.002")	4"	265	240	F1	12"	DSW-4D040F1-02655
1/4" (0.246" ± 0.002")	4"	300	240	F1	12"	DSW-4D040F1-03005
1/4" (0.246" ± 0.002")	4"	200	120	B1	15"	DSW-4D040B1-02002
1/4" (0.246" ± 0.002")	4"	265	120	B1	15"	DSW-4D040B1-02652
1/4" (0.246" ± 0.002")	4"	300	120	B1	15"	DSW-4D040B1-03002
1/4" (0.246" ± 0.002")	4"	200	240	B1	15"	DSW-4D040B1-02005
1/4" (0.246" ± 0.002")	4"	265	240	B1	15"	DSW-4D040B1-02655
1/4" (0.246" ± 0.002")	4"	300	240	B1	15"	DSW-4D040B1-03005
1/4" (0.246" ± 0.002")	4"	200	120	C1	15"	DSW-4D040C1-02002
1/4" (0.246" ± 0.002")	4"	265	120	C1	15"	DSW-4D040C1-02652
1/4" (0.246" ± 0.002")	4"	300	120	C1	15"	DSW-4D040C1-03002
1/4" (0.246" ± 0.002")	4"	200	240	C1	15"	DSW-4D040C1-02005

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Diameter	Length	Wattage	Voltage	Style	Leads Length	Part Numbers
1/4" (0.246" ± 0.002")	4"	265	240	C1	15"	DSW-4D040C1-02655
1/4" (0.246" ± 0.002")	4"	300	240	C1	15"	DSW-4D040C1-03005
1/4" (0.246" ± 0.002")	4.5"	325	120	F1	12"	DSW-4D04HF1-03252
1/4" (0.246" ± 0.002")	4.5"	325	240	F1	12"	DSW-4D04HF1-03255
1/4" (0.246" ± 0.002")	4.5"	325	120	B1	15"	DSW-4D04HB1-03252
1/4" (0.246" ± 0.002")	4.5"	325	240	B1	15"	DSW-4D04HB1-03255
1/4" (0.246" ± 0.002")	5"	350	120	F1	12"	DSW-4D050F1-03502
1/4" (0.246" ± 0.002")	5"	400	120	F1	12"	DSW-4D050F1-04002
1/4" (0.246" ± 0.002")	5"	350	240	F1	12"	DSW-4D050F1-03505
1/4" (0.246" ± 0.002")	5"	400	240	F1	12"	DSW-4D050F1-04005
1/4" (0.246" ± 0.002")	5"	350	120	B1	15"	DSW-4D050B1-03502
1/4" (0.246" ± 0.002")	5"	400	120	B1	15"	DSW-4D050B1-04002
1/4" (0.246" ± 0.002")	5"	350	240	B1	15"	DSW-4D050B1-03505
1/4" (0.246" ± 0.002")	5"	400	240	B1	15"	DSW-4D050B1-04005
1/4" (0.246" ± 0.002")	6"	300	120	F1	12"	DSW-4D060F1-03002
1/4" (0.246" ± 0.002")	6"	400	120	F1	12"	DSW-4D060F1-04002
1/4" (0.246" ± 0.002")	6"	450	120	F1	12"	DSW-4D060F1-04502
1/4" (0.246" ± 0.002")	6"	300	240	F1	12"	DSW-4D060F1-03005
1/4" (0.246" ± 0.002")	6"	400	240	F1	12"	DSW-4D060F1-04005
1/4" (0.246" ± 0.002")	6"	450	240	F1	12"	DSW-4D060F1-04505
1/4" (0.246" ± 0.002")	6"	300	120	B1	15"	DSW-4D060B1-03002
1/4" (0.246" ± 0.002")	6"	400	120	B1	15"	DSW-4D060B1-04002
1/4" (0.246" ± 0.002")	6"	450	120	B1	15"	DSW-4D060B1-04502
1/4" (0.246" ± 0.002")	6"	300	240	B1	15"	DSW-4D060B1-03005
1/4" (0.246" ± 0.002")	6"	400	240	B1	15"	DSW-4D060B1-04005
1/4" (0.246" ± 0.002")	6"	450	240	B1	15"	DSW-4D060B1-04505
1/4" (0.246" ± 0.002")	6"	300	120	C1	15"	DSW-4D060C1-03002
1/4" (0.246" ± 0.002")	6"	400	120	C1	15"	DSW-4D060C1-04002
1/4" (0.246" ± 0.002")	6"	450	120	C1	15"	DSW-4D060C1-04502
1/4" (0.246" ± 0.002")	6"	300	240	C1	15"	DSW-4D060C1-03005
1/4" (0.246" ± 0.002")	6"	400	240	C1	15"	DSW-4D060C1-04005
1/4" (0.246" ± 0.002")	6"	450	240	C1	15"	DSW-4D060C1-04505
1/4" (0.246" ± 0.002")	7"	525	120	F1	12"	DSW-4D070F1-05252
1/4" (0.246" ± 0.002")	7"	600	120	F1	12"	DSW-4D070F1-06002
1/4" (0.246" ± 0.002")	7"	525	240	F1	12"	DSW-4D070F1-05255
1/4" (0.246" ± 0.002")	7"	600	240	F1	12"	DSW-4D070F1-06005
1/4" (0.246" ± 0.002")	7"	525	120	B1	15"	DSW-4D070B1-05252
1/4" (0.246" ± 0.002")	7"	600	120	B1	15"	DSW-4D070B1-06002
1/4" (0.246" ± 0.002")	7"	525	240	B1	15"	DSW-4D070B1-05255
1/4" (0.246" ± 0.002")	7"	600	240	B1	15"	DSW-4D070B1-06005
1/4" (0.246" ± 0.002")	7.5"	525	120	F1	12"	DSW-4D07HF1-05252
1/4" (0.246" ± 0.002")	7.5"	525	240	F1	12"	DSW-4D07HF1-05255
1/4" (0.246" ± 0.002")	7.5"	525	120	B1	15"	DSW-4D07HB1-05252
1/4" (0.246" ± 0.002")	7.5"	525	240	B1	15"	DSW-4D07HB1-05255
1/4" (0.246" ± 0.002")	8"	600	120	F1	12"	DSW-4D080F1-06002
1/4" (0.246" ± 0.002")	8"	600	240	F1	12"	DSW-4D080F1-06005
1/4" (0.246" ± 0.002")	8"	600	120	B1	15"	DSW-4D080B1-06002
1/4" (0.246" ± 0.002")	8"	600	240	B1	15"	DSW-4D080B1-06005
1/4" (0.246" ± 0.002")	9.5"	525	120	F1	12"	DSW-4D09HF1-05252
1/4" (0.246" ± 0.002")	9.5"	525	240	F1	12"	DSW-4D09HF1-05255
1/4" (0.246" ± 0.002")	9.5"	525	120	B1	15"	DSW-4D09HB1-05252
1/4" (0.246" ± 0.002")	9.5"	525	240	B1	15"	DSW-4D09HB1-05255
1/4" (0.246" ± 0.002")	10"	750	120	F1	12"	DSW-4D100F1-07502



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1/4" (0.246" ± 0.002")	10"	750	240	F1	12"	DSW-4D100F1-07505
1/4" (0.246" ± 0.002")	10"	750	120	B1	15"	DSW-4D100B1-07502
1/4" (0.246" ± 0.002")	10"	750	240	B1	15"	DSW-4D100B1-07505
5/16" (0.309" ± 0.002")	1"	80	120	F1	12"	DSW-RE010F1-00802
5/16" (0.309" ± 0.002")	1"	80	240	F1	12"	DSW-RE010F1-00805
5/16" (0.309" ± 0.002")	1"	80	120	B1	15"	DSW-RE010B1-00802
5/16" (0.309" ± 0.002")	1"	80	240	B1	15"	DSW-RE010B1-00805
5/16" (0.309" ± 0.002")	1.5"	100	120	F1	12"	DSW-RE01HF1-01002
5/16" (0.309" ± 0.002")	1.5"	100	240	F1	12"	DSW-RE01HF1-01005
5/16" (0.309" ± 0.002")	1.5"	100	120	B1	15"	DSW-RE01HB1-01002
5/16" (0.309" ± 0.002")	1.5"	100	240	B1	15"	DSW-RE01HB1-01005
5/16" (0.309" ± 0.002")	2"	150	120	F1	12"	DSW-RE020F1-01502
5/16" (0.309" ± 0.002")	2"	150	240	F1	12"	DSW-RE020F1-01505
5/16" (0.309" ± 0.002")	2"	150	120	B1	15"	DSW-RE020B1-01502
5/16" (0.309" ± 0.002")	2"	150	240	B1	15"	DSW-RE020B1-01505
5/16" (0.309" ± 0.002")	2.5"	150	120	F1	12"	DSW-RE02HF1-01502
5/16" (0.309" ± 0.002")	2.5"	200	120	F1	12"	DSW-RE02HF1-02002
5/16" (0.309" ± 0.002")	2.5"	150	240	F1	12"	DSW-RE02HF1-01505
5/16" (0.309" ± 0.002")	2.5"	200	240	F1	12"	DSW-RE02HF1-02005
5/16" (0.309" ± 0.002")	2.5"	150	120	B1	15"	DSW-RE02HB1-01502
5/16" (0.309" ± 0.002")	2.5"	200	120	B1	15"	DSW-RE02HB1-02002
5/16" (0.309" ± 0.002")	2.5"	150	240	B1	15"	DSW-RE02HB1-01505
5/16" (0.309" ± 0.002")	2.5"	200	240	B1	15"	DSW-RE02HB1-02005
5/16" (0.309" ± 0.002")	3"	225	120	F1	12"	DSW-RE030F1-02252
5/16" (0.309" ± 0.002")	3"	225	240	F1	12"	DSW-RE030F1-02255
5/16" (0.309" ± 0.002")	3"	225	120	B1	15"	DSW-RE030B1-02252
5/16" (0.309" ± 0.002")	3"	225	240	B1	15"	DSW-RE030B1-02255
5/16" (0.309" ± 0.002")	6"	450	120	F1	12"	DSW-RE060F1-04502
5/16" (0.309" ± 0.002")	6"	450	240	F1	12"	DSW-RE060F1-04505
5/16" (0.309" ± 0.002")	6"	450	120	B1	15"	DSW-RE060B1-04502
5/16" (0.309" ± 0.002")	6"	450	240	B1	15"	DSW-RE060B1-04505
3/8" (0.371" ± 0.002")	1"	100	120	F1	12"	DSW-RF010F1-01002
3/8" (0.371" ± 0.002")	1"	150	120	F1	12"	DSW-RF010F1-01502
3/8" (0.371" ± 0.002")	1"	100	240	F1	12"	DSW-RF010F1-01005
3/8" (0.371" ± 0.002")	1"	150	240	F1	12"	DSW-RF010F1-01505
3/8" (0.371" ± 0.002")	1"	100	120	B1	15"	DSW-RF010B1-01002
3/8" (0.371" ± 0.002")	1"	150	120	B1	15"	DSW-RF010B1-01502
3/8" (0.371" ± 0.002")	1"	100	240	B1	15"	DSW-RF010B1-01005
3/8" (0.371" ± 0.002")	1"	150	240	B1	15"	DSW-RF010B1-01505
3/8" (0.371" ± 0.002")	1"	100	120	C1	15"	DSW-RF010C1-01002
3/8" (0.371" ± 0.002")	1"	150	120	C1	15"	DSW-RF010C1-01502
3/8" (0.371" ± 0.002")	1"	100	240	C1	15"	DSW-RF010C1-01005
3/8" (0.371" ± 0.002")	1"	150	240	C1	15"	DSW-RF010C1-01505
3/8" (0.371" ± 0.002")	1.5"	100	120	F1	12"	DSW-RF01HF1-01002
3/8" (0.371" ± 0.002")	1.5"	150	120	F1	12"	DSW-RF01HF1-01502
3/8" (0.371" ± 0.002")	1.5"	200	120	F1	12"	DSW-RF01HF1-02002
3/8" (0.371" ± 0.002")	1.5"	250	120	F1	12"	DSW-RF01HF1-02502
3/8" (0.371" ± 0.002")	1.5"	100	240	F1	12"	DSW-RF01HF1-01005
3/8" (0.371" ± 0.002")	1.5"	150	240	F1	12"	DSW-RF01HF1-01505
3/8" (0.371" ± 0.002")	1.5"	200	240	F1	12"	DSW-RF01HF1-02005
3/8" (0.371" ± 0.002")	1.5"	250	240	F1	12"	DSW-RF01HF1-02505



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Diameter	Length	Wattage	Voltage	Style	Leads Length	Part Numbers
3/8" (0.371" ± 0.002")	1.5"	100	120	B1	15"	DSW-RF01HB1-01002
3/8" (0.371" ± 0.002")	1.5"	150	120	B1	15"	DSW-RF01HB1-01502
3/8" (0.371" ± 0.002")	1.5"	200	120	B1	15"	DSW-RF01HB1-02002
3/8" (0.371" ± 0.002")	1.5"	250	120	B1	15"	DSW-RF01HB1-02502
3/8" (0.371" ± 0.002")	1.5"	100	240	B1	15"	DSW-RF01HB1-01005
3/8" (0.371" ± 0.002")	1.5"	150	240	B1	15"	DSW-RF01HB1-01505
3/8" (0.371" ± 0.002")	1.5"	200	240	B1	15"	DSW-RF01HB1-02005
3/8" (0.371" ± 0.002")	1.5"	250	240	B1	15"	DSW-RF01HB1-02505
3/8" (0.371" ± 0.002")	1.5"	100	120	C1	15"	DSW-RF01HC1-01002
3/8" (0.371" ± 0.002")	1.5"	150	120	C1	15"	DSW-RF01HC1-01502
3/8" (0.371" ± 0.002")	1.5"	100	240	C1	15"	DSW-RF01HC1-01005
3/8" (0.371" ± 0.002")	1.5"	150	240	C1	15"	DSW-RF01HC1-01505
3/8" (0.371" ± 0.002")	2"	100	120	F1	12"	DSW-RF020F1-01002
3/8" (0.371" ± 0.002")	2"	200	120	F1	12"	DSW-RF020F1-02002
3/8" (0.371" ± 0.002")	2"	300	120	F1	12"	DSW-RF020F1-03002
3/8" (0.371" ± 0.002")	2"	400	120	F1	12"	DSW-RF020F1-04002
3/8" (0.371" ± 0.002")	2"	100	240	F1	12"	DSW-RF020F1-01005
3/8" (0.371" ± 0.002")	2"	200	240	F1	12"	DSW-RF020F1-02005
3/8" (0.371" ± 0.002")	2"	300	240	F1	12"	DSW-RF020F1-03005
3/8" (0.371" ± 0.002")	2"	400	240	F1	12"	DSW-RF020F1-04005
3/8" (0.371" ± 0.002")	2"	100	120	B1	15"	DSW-RF020B1-01002
3/8" (0.371" ± 0.002")	2"	200	120	B1	15"	DSW-RF020B1-02002
3/8" (0.371" ± 0.002")	2"	300	120	B1	15"	DSW-RF020B1-03002
3/8" (0.371" ± 0.002")	2"	400	120	B1	15"	DSW-RF020B1-04002
3/8" (0.371" ± 0.002")	2"	100	240	B1	15"	DSW-RF020B1-01005
3/8" (0.371" ± 0.002")	2"	200	240	B1	15"	DSW-RF020B1-02005
3/8" (0.371" ± 0.002")	2"	300	240	B1	15"	DSW-RF020B1-03005
3/8" (0.371" ± 0.002")	2"	400	240	B1	15"	DSW-RF020B1-04005
3/8" (0.371" ± 0.002")	2"	100	120	C1	15"	DSW-RF020C1-01002
3/8" (0.371" ± 0.002")	2"	200	120	C1	15"	DSW-RF020C1-02002
3/8" (0.371" ± 0.002")	2"	300	120	C1	15"	DSW-RF020C1-03002
3/8" (0.371" ± 0.002")	2"	400	120	C1	15"	DSW-RF020C1-04002
3/8" (0.371" ± 0.002")	2"	100	240	C1	15"	DSW-RF020C1-01005
3/8" (0.371" ± 0.002")	2"	200	240	C1	15"	DSW-RF020C1-02005
3/8" (0.371" ± 0.002")	2"	300	240	C1	15"	DSW-RF020C1-03005
3/8" (0.371" ± 0.002")	2"	400	240	C1	15"	DSW-RF020C1-04005
3/8" (0.371" ± 0.002")	2.5"	200	120	F1	12"	DSW-RF02HF1-02002
3/8" (0.371" ± 0.002")	2.5"	250	120	F1	12"	DSW-RF02HF1-02502
3/8" (0.371" ± 0.002")	2.5"	400	120	F1	12"	DSW-RF02HF1-04002
3/8" (0.371" ± 0.002")	2.5"	500	120	F1	12"	DSW-RF02HF1-05002
3/8" (0.371" ± 0.002")	2.5"	200	240	F1	12"	DSW-RF02HF1-02005
3/8" (0.371" ± 0.002")	2.5"	250	240	F1	12"	DSW-RF02HF1-02505
3/8" (0.371" ± 0.002")	2.5"	400	240	F1	12"	DSW-RF02HF1-04005
3/8" (0.371" ± 0.002")	2.5"	500	240	F1	12"	DSW-RF02HF1-05005
3/8" (0.371" ± 0.002")	2.5"	200	120	B1	15"	DSW-RF02HB1-02002
3/8" (0.371" ± 0.002")	2.5"	250	120	B1	15"	DSW-RF02HB1-02502
3/8" (0.371" ± 0.002")	2.5"	400	120	B1	15"	DSW-RF02HB1-04002
3/8" (0.371" ± 0.002")	2.5"	500	120	B1	15"	DSW-RF02HB1-05002
3/8" (0.371" ± 0.002")	2.5"	200	240	B1	15"	DSW-RF02HB1-02005
3/8" (0.371" ± 0.002")	2.5"	250	240	B1	15"	DSW-RF02HB1-02505
3/8" (0.371" ± 0.002")	2.5"	400	240	B1	15"	DSW-RF02HB1-04005
3/8" (0.371" ± 0.002")	2.5"	500	240	B1	15"	DSW-RF02HB1-05005
3/8" (0.371" ± 0.002")	2.5"	200	120	C1	15"	DSW-RF02HC1-02002

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Diameter	Length	Wattage	Voltage	Style	Leads Length	Part Numbers
3/8" (0.371" ± 0.002")	2.5"	250	120	C1	15"	DSW-RF02HC1-02502
3/8" (0.371" ± 0.002")	2.5"	400	120	C1	15"	DSW-RF02HC1-04002
3/8" (0.371" ± 0.002")	2.5"	500	120	C1	15"	DSW-RF02HC1-05002
3/8" (0.371" ± 0.002")	2.5"	200	240	C1	15"	DSW-RF02HC1-02005
3/8" (0.371" ± 0.002")	2.5"	250	240	C1	15"	DSW-RF02HC1-02505
3/8" (0.371" ± 0.002")	2.5"	400	240	C1	15"	DSW-RF02HC1-04005
3/8" (0.371" ± 0.002")	2.5"	500	240	C1	15"	DSW-RF02HC1-05005
3/8" (0.371" ± 0.002")	3"	200	120	F1	12"	DSW-RF030F1-02002
3/8" (0.371" ± 0.002")	3"	250	120	F1	12"	DSW-RF030F1-02502
3/8" (0.371" ± 0.002")	3"	375	120	F1	12"	DSW-RF030F1-03752
3/8" (0.371" ± 0.002")	3"	400	120	F1	12"	DSW-RF030F1-04002
3/8" (0.371" ± 0.002")	3"	200	240	F1	12"	DSW-RF030F1-02005
3/8" (0.371" ± 0.002")	3"	250	240	F1	12"	DSW-RF030F1-02505
3/8" (0.371" ± 0.002")	3"	375	240	F1	12"	DSW-RF030F1-03755
3/8" (0.371" ± 0.002")	3"	400	240	F1	12"	DSW-RF030F1-04005
3/8" (0.371" ± 0.002")	3"	200	120	B1	15"	DSW-RF030B1-02002
3/8" (0.371" ± 0.002")	3"	250	120	B1	15"	DSW-RF030B1-02502
3/8" (0.371" ± 0.002")	3"	375	120	B1	15"	DSW-RF030B1-03752
3/8" (0.371" ± 0.002")	3"	400	120	B1	15"	DSW-RF030B1-04002
3/8" (0.371" ± 0.002")	3"	200	240	B1	15"	DSW-RF030B1-02005
3/8" (0.371" ± 0.002")	3"	250	240	B1	15"	DSW-RF030B1-02505
3/8" (0.371" ± 0.002")	3"	375	240	B1	15"	DSW-RF030B1-03755
3/8" (0.371" ± 0.002")	3"	400	240	B1	15"	DSW-RF030B1-04005
3/8" (0.371" ± 0.002")	3"	200	120	C1	15"	DSW-RF030C1-02002
3/8" (0.371" ± 0.002")	3"	250	120	C1	15"	DSW-RF030C1-02502
3/8" (0.371" ± 0.002")	3"	375	120	C1	15"	DSW-RF030C1-03752
3/8" (0.371" ± 0.002")	3"	400	120	C1	15"	DSW-RF030C1-04002
3/8" (0.371" ± 0.002")	3"	200	240	C1	15"	DSW-RF030C1-02005
3/8" (0.371" ± 0.002")	3"	250	240	C1	15"	DSW-RF030C1-02505
3/8" (0.371" ± 0.002")	3"	375	240	C1	15"	DSW-RF030C1-03755
3/8" (0.371" ± 0.002")	3"	400	240	C1	15"	DSW-RF030C1-04005
3/8" (0.371" ± 0.002")	3.5"	250	120	F1	12"	DSW-RF03HF1-02502
3/8" (0.371" ± 0.002")	3.5"	300	120	F1	12"	DSW-RF03HF1-03002
3/8" (0.371" ± 0.002")	3.5"	350	120	F1	12"	DSW-RF03HF1-03502
3/8" (0.371" ± 0.002")	3.5"	500	120	F1	12"	DSW-RF03HF1-05002
3/8" (0.371" ± 0.002")	3.5"	250	240	F1	12"	DSW-RF03HF1-02505
3/8" (0.371" ± 0.002")	3.5"	300	240	F1	12"	DSW-RF03HF1-03005
3/8" (0.371" ± 0.002")	3.5"	350	240	F1	12"	DSW-RF03HF1-03505
3/8" (0.371" ± 0.002")	3.5"	500	240	F1	12"	DSW-RF03HF1-05005
3/8" (0.371" ± 0.002")	3.5"	250	120	B1	15"	DSW-RF03HB1-02502
3/8" (0.371" ± 0.002")	3.5"	300	120	B1	15"	DSW-RF03HB1-03002
3/8" (0.371" ± 0.002")	3.5"	350	120	B1	15"	DSW-RF03HB1-03502
3/8" (0.371" ± 0.002")	3.5"	500	120	B1	15"	DSW-RF03HB1-05002
3/8" (0.371" ± 0.002")	3.5"	250	240	B1	15"	DSW-RF03HB1-02505
3/8" (0.371" ± 0.002")	3.5"	300	240	B1	15"	DSW-RF03HB1-03005
3/8" (0.371" ± 0.002")	3.5"	350	240	B1	15"	DSW-RF03HB1-03505
3/8" (0.371" ± 0.002")	3.5"	500	240	B1	15"	DSW-RF03HB1-05005
3/8" (0.371" ± 0.002")	4"	250	120	F1	12"	DSW-RF040F1-02502
3/8" (0.371" ± 0.002")	4"	300	120	F1	12"	DSW-RF040F1-03002
3/8" (0.371" ± 0.002")	4"	400	120	F1	12"	DSW-RF040F1-04002
3/8" (0.371" ± 0.002")	4"	500	120	F1	12"	DSW-RF040F1-05002
3/8" (0.371" ± 0.002")	4"	250	240	F1	12"	DSW-RF040F1-02505
3/8" (0.371" ± 0.002")	4"	300	240	F1	12"	DSW-RF040F1-03005

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Diameter	Length	Wattage	Voltage	Style	Leads Length	Part Numbers
3/8" (0.371" ± 0.002")	4"	400	240	F1	12"	DSW-RF040F1-04005
3/8" (0.371" ± 0.002")	4"	500	240	F1	12"	DSW-RF040F1-05005
3/8" (0.371" ± 0.002")	4"	250	120	B1	15"	DSW-RF040B1-02502
3/8" (0.371" ± 0.002")	4"	300	120	B1	15"	DSW-RF040B1-03002
3/8" (0.371" ± 0.002")	4"	400	120	B1	15"	DSW-RF040B1-04002
3/8" (0.371" ± 0.002")	4"	500	120	B1	15"	DSW-RF040B1-05002
3/8" (0.371" ± 0.002")	4"	250	240	B1	15"	DSW-RF040B1-02505
3/8" (0.371" ± 0.002")	4"	300	240	B1	15"	DSW-RF040B1-03005
3/8" (0.371" ± 0.002")	4"	400	240	B1	15"	DSW-RF040B1-04005
3/8" (0.371" ± 0.002")	4"	500	240	B1	15"	DSW-RF040B1-05005
3/8" (0.371" ± 0.002")	4"	250	120	C1	15"	DSW-RF040C1-02502
3/8" (0.371" ± 0.002")	4"	300	120	C1	15"	DSW-RF040C1-03002
3/8" (0.371" ± 0.002")	4"	400	120	C1	15"	DSW-RF040C1-04002
3/8" (0.371" ± 0.002")	4"	500	120	C1	15"	DSW-RF040C1-05002
3/8" (0.371" ± 0.002")	4"	250	240	C1	15"	DSW-RF040C1-02505
3/8" (0.371" ± 0.002")	4"	300	240	C1	15"	DSW-RF040C1-03005
3/8" (0.371" ± 0.002")	4"	400	240	C1	15"	DSW-RF040C1-04005
3/8" (0.371" ± 0.002")	4"	500	240	C1	15"	DSW-RF040C1-05005
3/8" (0.371" ± 0.002")	4.5"	300	120	F1	12"	DSW-RF04HF1-03002
3/8" (0.371" ± 0.002")	4.5"	450	120	F1	12"	DSW-RF04HF1-04502
3/8" (0.371" ± 0.002")	4.5"	500	120	F1	12"	DSW-RF04HF1-05002
3/8" (0.371" ± 0.002")	4.5"	300	240	F1	12"	DSW-RF04HF1-03005
3/8" (0.371" ± 0.002")	4.5"	450	240	F1	12"	DSW-RF04HF1-04505
3/8" (0.371" ± 0.002")	4.5"	500	240	F1	12"	DSW-RF04HF1-05005
3/8" (0.371" ± 0.002")	4.5"	300	120	B1	15"	DSW-RF04HB1-03002
3/8" (0.371" ± 0.002")	4.5"	450	120	B1	15"	DSW-RF04HB1-04502
3/8" (0.371" ± 0.002")	4.5"	500	120	B1	15"	DSW-RF04HB1-05002
3/8" (0.371" ± 0.002")	4.5"	300	240	B1	15"	DSW-RF04HB1-03005
3/8" (0.371" ± 0.002")	4.5"	450	240	B1	15"	DSW-RF04HB1-04505
3/8" (0.371" ± 0.002")	4.5"	500	240	B1	15"	DSW-RF04HB1-05005
3/8" (0.371" ± 0.002")	5"	150	120	F1	12"	DSW-RF050F1-01502
3/8" (0.371" ± 0.002")	5"	300	120	F1	12"	DSW-RF050F1-03002
3/8" (0.371" ± 0.002")	5"	400	120	F1	12"	DSW-RF050F1-04002
3/8" (0.371" ± 0.002")	5"	500	120	F1	12"	DSW-RF050F1-05002
3/8" (0.371" ± 0.002")	5"	150	240	F1	12"	DSW-RF050F1-01505
3/8" (0.371" ± 0.002")	5"	300	240	F1	12"	DSW-RF050F1-03005
3/8" (0.371" ± 0.002")	5"	400	240	F1	12"	DSW-RF050F1-04005
3/8" (0.371" ± 0.002")	5"	500	240	F1	12"	DSW-RF050F1-05005
3/8" (0.371" ± 0.002")	5"	150	120	B1	15"	DSW-RF050B1-01502
3/8" (0.371" ± 0.002")	5"	300	120	B1	15"	DSW-RF050B1-03002
3/8" (0.371" ± 0.002")	5"	400	120	B1	15"	DSW-RF050B1-04002
3/8" (0.371" ± 0.002")	5"	500	120	B1	15"	DSW-RF050B1-05002
3/8" (0.371" ± 0.002")	5"	150	240	B1	15"	DSW-RF050B1-01505
3/8" (0.371" ± 0.002")	5"	300	240	B1	15"	DSW-RF050B1-03005
3/8" (0.371" ± 0.002")	5"	400	240	B1	15"	DSW-RF050B1-04005
3/8" (0.371" ± 0.002")	5"	500	240	B1	15"	DSW-RF050B1-05005
3/8" (0.371" ± 0.002")	5"	150	120	C1	15"	DSW-RF050C1-01502
3/8" (0.371" ± 0.002")	5"	300	120	C1	15"	DSW-RF050C1-03002
3/8" (0.371" ± 0.002")	5"	400	120	C1	15"	DSW-RF050C1-04002
3/8" (0.371" ± 0.002")	5"	500	120	C1	15"	DSW-RF050C1-05002
3/8" (0.371" ± 0.002")	5"	150	240	C1	15"	DSW-RF050C1-01505
3/8" (0.371" ± 0.002")	5"	300	240	C1	15"	DSW-RF050C1-03005
3/8" (0.371" ± 0.002")	5"	400	240	C1	15"	DSW-RF050C1-04005



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Diameter	Length	Wattage	Voltage	Style	Leads Length	Part Numbers
3/8" (0.371" ± 0.002")	5"	500	240	C1	15"	DSW-RF050C1-05005
3/8" (0.371" ± 0.002")	5.5"	500	120	F1	12"	DSW-RF05HF1-05002
3/8" (0.371" ± 0.002")	5.5"	600	120	F1	12"	DSW-RF05HF1-06002
3/8" (0.371" ± 0.002")	5.5"	1000	120	F1	12"	DSW-RF05HF1-10002
3/8" (0.371" ± 0.002")	5.5"	500	240	F1	12"	DSW-RF05HF1-05005
3/8" (0.371" ± 0.002")	5.5"	600	240	F1	12"	DSW-RF05HF1-06005
3/8" (0.371" ± 0.002")	5.5"	1000	240	F1	12"	DSW-RF05HF1-10005
3/8" (0.371" ± 0.002")	5.5"	500	120	B1	15"	DSW-RF05HB1-05002
3/8" (0.371" ± 0.002")	5.5"	600	120	B1	15"	DSW-RF05HB1-06002
3/8" (0.371" ± 0.002")	5.5"	1000	120	B1	15"	DSW-RF05HB1-10002
3/8" (0.371" ± 0.002")	5.5"	500	240	B1	15"	DSW-RF05HB1-05005
3/8" (0.371" ± 0.002")	5.5"	600	240	B1	15"	DSW-RF05HB1-06005
3/8" (0.371" ± 0.002")	5.5"	1000	240	B1	15"	DSW-RF05HB1-10005
3/8" (0.371" ± 0.002")	6"	250	120	F1	12"	DSW-RF060F1-02502
3/8" (0.371" ± 0.002")	6"	400	120	F1	12"	DSW-RF060F1-04002
3/8" (0.371" ± 0.002")	6"	500	120	F1	12"	DSW-RF060F1-05002
3/8" (0.371" ± 0.002")	6"	600	120	F1	12"	DSW-RF060F1-06002
3/8" (0.371" ± 0.002")	6"	250	240	F1	12"	DSW-RF060F1-02505
3/8" (0.371" ± 0.002")	6"	400	240	F1	12"	DSW-RF060F1-04005
3/8" (0.371" ± 0.002")	6"	500	240	F1	12"	DSW-RF060F1-05005
3/8" (0.371" ± 0.002")	6"	600	240	F1	12"	DSW-RF060F1-06005
3/8" (0.371" ± 0.002")	6"	250	120	B1	15"	DSW-RF060B1-02502
3/8" (0.371" ± 0.002")	6"	400	120	B1	15"	DSW-RF060B1-04002
3/8" (0.371" ± 0.002")	6"	500	120	B1	15"	DSW-RF060B1-05002
3/8" (0.371" ± 0.002")	6"	600	120	B1	15"	DSW-RF060B1-06002
3/8" (0.371" ± 0.002")	6"	250	240	B1	15"	DSW-RF060B1-02505
3/8" (0.371" ± 0.002")	6"	400	240	B1	15"	DSW-RF060B1-04005
3/8" (0.371" ± 0.002")	6"	500	240	B1	15"	DSW-RF060B1-05005
3/8" (0.371" ± 0.002")	6"	600	240	B1	15"	DSW-RF060B1-06005
3/8" (0.371" ± 0.002")	6"	250	120	C1	15"	DSW-RF060C1-02502
3/8" (0.371" ± 0.002")	6"	400	120	C1	15"	DSW-RF060C1-04002
3/8" (0.371" ± 0.002")	6"	500	120	C1	15"	DSW-RF060C1-05002
3/8" (0.371" ± 0.002")	6"	600	120	C1	15"	DSW-RF060C1-06002
3/8" (0.371" ± 0.002")	6"	250	240	C1	15"	DSW-RF060C1-02505
3/8" (0.371" ± 0.002")	6"	400	240	C1	15"	DSW-RF060C1-04005
3/8" (0.371" ± 0.002")	6"	500	240	C1	15"	DSW-RF060C1-05005
3/8" (0.371" ± 0.002")	6"	600	240	C1	15"	DSW-RF060C1-06005
3/8" (0.371" ± 0.002")	7"	350	120	F1	12"	DSW-RF070F1-03502
3/8" (0.371" ± 0.002")	7"	400	120	F1	12"	DSW-RF070F1-04002
3/8" (0.371" ± 0.002")	7"	600	120	F1	12"	DSW-RF070F1-06002
3/8" (0.371" ± 0.002")	7"	1000	120	F1	12"	DSW-RF070F1-10002
3/8" (0.371" ± 0.002")	7"	350	240	F1	12"	DSW-RF070F1-03505
3/8" (0.371" ± 0.002")	7"	400	240	F1	12"	DSW-RF070F1-04005
3/8" (0.371" ± 0.002")	7"	600	240	F1	12"	DSW-RF070F1-06005
3/8" (0.371" ± 0.002")	7"	1000	240	F1	12"	DSW-RF070F1-10005
3/8" (0.371" ± 0.002")	7"	350	120	B1	15"	DSW-RF070B1-03502
3/8" (0.371" ± 0.002")	7"	400	120	B1	15"	DSW-RF070B1-04002
3/8" (0.371" ± 0.002")	7"	600	120	B1	15"	DSW-RF070B1-06002
3/8" (0.371" ± 0.002")	7"	1000	120	B1	15"	DSW-RF070B1-10002
3/8" (0.371" ± 0.002")	7"	350	240	B1	15"	DSW-RF070B1-03505
3/8" (0.371" ± 0.002")	7"	400	240	B1	15"	DSW-RF070B1-04005
3/8" (0.371" ± 0.002")	7"	600	240	B1	15"	DSW-RF070B1-06005
3/8" (0.371" ± 0.002")	7"	1000	240	B1	15"	DSW-RF070B1-10005



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Diameter	Length	Wattage	Voltage	Style	Leads Length	Part Numbers
3/8" (0.371" ± 0.002")	7.5"	600	120	F1	12"	DSW-RF07HF1-06002
3/8" (0.371" ± 0.002")	7.5"	725	120	F1	12"	DSW-RF07HF1-07252
3/8" (0.371" ± 0.002")	7.5"	1000	120	F1	12"	DSW-RF07HF1-10002
3/8" (0.371" ± 0.002")	7.5"	600	240	F1	12"	DSW-RF07HF1-06005
3/8" (0.371" ± 0.002")	7.5"	725	240	F1	12"	DSW-RF07HF1-07255
3/8" (0.371" ± 0.002")	7.5"	1000	240	F1	12"	DSW-RF07HF1-10005
3/8" (0.371" ± 0.002")	7.5"	600	120	B1	15"	DSW-RF07HB1-06002
3/8" (0.371" ± 0.002")	7.5"	725	120	B1	15"	DSW-RF07HB1-07252
3/8" (0.371" ± 0.002")	7.5"	1000	120	B1	15"	DSW-RF07HB1-10002
3/8" (0.371" ± 0.002")	7.5"	600	240	B1	15"	DSW-RF07HB1-06005
3/8" (0.371" ± 0.002")	7.5"	725	240	B1	15"	DSW-RF07HB1-07255
3/8" (0.371" ± 0.002")	7.5"	1000	240	B1	15"	DSW-RF07HB1-10005
3/8" (0.371" ± 0.002")	8"	300	120	F1	12"	DSW-RF080F1-03002
3/8" (0.371" ± 0.002")	8"	500	120	F1	12"	DSW-RF080F1-05002
3/8" (0.371" ± 0.002")	8"	600	120	F1	12"	DSW-RF080F1-06002
3/8" (0.371" ± 0.002")	8"	900	120	F1	12"	DSW-RF080F1-09002
3/8" (0.371" ± 0.002")	8"	300	240	F1	12"	DSW-RF080F1-03005
3/8" (0.371" ± 0.002")	8"	500	240	F1	12"	DSW-RF080F1-05005
3/8" (0.371" ± 0.002")	8"	600	240	F1	12"	DSW-RF080F1-06005
3/8" (0.371" ± 0.002")	8"	900	240	F1	12"	DSW-RF080F1-09005
3/8" (0.371" ± 0.002")	8"	300	120	B1	15"	DSW-RF080B1-03002
3/8" (0.371" ± 0.002")	8"	500	120	B1	15"	DSW-RF080B1-05002
3/8" (0.371" ± 0.002")	8"	600	120	B1	15"	DSW-RF080B1-06002
3/8" (0.371" ± 0.002")	8"	900	120	B1	15"	DSW-RF080B1-09002
3/8" (0.371" ± 0.002")	8"	300	240	B1	15"	DSW-RF080B1-03005
3/8" (0.371" ± 0.002")	8"	500	240	B1	15"	DSW-RF080B1-05005
3/8" (0.371" ± 0.002")	8"	600	240	B1	15"	DSW-RF080B1-06005
3/8" (0.371" ± 0.002")	8"	900	240	B1	15"	DSW-RF080B1-09005
3/8" (0.371" ± 0.002")	9.5"	200	120	F1	12"	DSW-RF09HF1-02002
3/8" (0.371" ± 0.002")	9.5"	600	120	F1	12"	DSW-RF09HF1-06002
3/8" (0.371" ± 0.002")	9.5"	1000	120	F1	12"	DSW-RF09HF1-10002
3/8" (0.371" ± 0.002")	9.5"	200	240	F1	12"	DSW-RF09HF1-02005
3/8" (0.371" ± 0.002")	9.5"	600	240	F1	12"	DSW-RF09HF1-06005
3/8" (0.371" ± 0.002")	9.5"	1000	240	F1	12"	DSW-RF09HF1-10005
3/8" (0.371" ± 0.002")	9.5"	200	120	B1	15"	DSW-RF09HB1-02002
3/8" (0.371" ± 0.002")	9.5"	600	120	B1	15"	DSW-RF09HB1-06002
3/8" (0.371" ± 0.002")	9.5"	1000	120	B1	15"	DSW-RF09HB1-10002
3/8" (0.371" ± 0.002")	9.5"	200	240	B1	15"	DSW-RF09HB1-02005
3/8" (0.371" ± 0.002")	9.5"	600	240	B1	15"	DSW-RF09HB1-06005
3/8" (0.371" ± 0.002")	9.5"	1000	240	B1	15"	DSW-RF09HB1-10005
3/8" (0.371" ± 0.002")	10"	600	120	F1	12"	DSW-RF100F1-06002
3/8" (0.371" ± 0.002")	10"	1000	120	F1	12"	DSW-RF100F1-10002
3/8" (0.371" ± 0.002")	10"	600	240	F1	12"	DSW-RF100F1-06005
3/8" (0.371" ± 0.002")	10"	1000	240	F1	12"	DSW-RF100F1-10005
3/8" (0.371" ± 0.002")	10"	600	120	B1	15"	DSW-RF100B1-06002
3/8" (0.371" ± 0.002")	10"	1000	120	B1	15"	DSW-RF100B1-10002
3/8" (0.371" ± 0.002")	10"	600	240	B1	15"	DSW-RF100B1-06005
3/8" (0.371" ± 0.002")	10"	1000	240	B1	15"	DSW-RF100B1-10005
3/8" (0.371" ± 0.002")	10"	600	120	C1	15"	DSW-RF100C1-06002
3/8" (0.371" ± 0.002")	10"	1000	120	C1	15"	DSW-RF100C1-10002
3/8" (0.371" ± 0.002")	10"	600	240	C1	15"	DSW-RF100C1-06005
3/8" (0.371" ± 0.002")	10"	1000	240	C1	15"	DSW-RF100C1-10005



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Diameter	Length	Wattage	Voltage	Style	Leads Length	Part Numbers
1/2" (0.496" ± 0.002")	1"	50	120	F1	12"	DSW-RH010F1-00502
1/2" (0.496" ± 0.002")	1"	150	120	F1	12"	DSW-RH010F1-01502
1/2" (0.496" ± 0.002")	1"	50	240	F1	12"	DSW-RH010F1-00505
1/2" (0.496" ± 0.002")	1"	150	240	F1	12"	DSW-RH010F1-01505
1/2" (0.496" ± 0.002")	1"	50	120	B1	15"	DSW-RH010B1-00502
1/2" (0.496" ± 0.002")	1"	150	120	B1	15"	DSW-RH010B1-01502
1/2" (0.496" ± 0.002")	1"	50	240	B1	15"	DSW-RH010B1-00505
1/2" (0.496" ± 0.002")	1"	150	240	B1	15"	DSW-RH010B1-01505
1/2" (0.496" ± 0.002")	1.5"	150	120	F1	12"	DSW-RH01HF1-01502
1/2" (0.496" ± 0.002")	1.5"	200	120	F1	12"	DSW-RH01HF1-02002
1/2" (0.496" ± 0.002")	1.5"	150	240	F1	12"	DSW-RH01HF1-01505
1/2" (0.496" ± 0.002")	1.5"	200	240	F1	12"	DSW-RH01HF1-02005
1/2" (0.496" ± 0.002")	1.5"	150	120	B1	15"	DSW-RH01HB1-01502
1/2" (0.496" ± 0.002")	1.5"	200	120	B1	15"	DSW-RH01HB1-02002
1/2" (0.496" ± 0.002")	1.5"	150	240	B1	15"	DSW-RH01HB1-01505
1/2" (0.496" ± 0.002")	1.5"	200	240	B1	15"	DSW-RH01HB1-02005
1/2" (0.496" ± 0.002")	2"	200	120	F1	12"	DSW-RH020F1-02002
1/2" (0.496" ± 0.002")	2"	250	120	F1	12"	DSW-RH020F1-02502
1/2" (0.496" ± 0.002")	2"	300	120	F1	12"	DSW-RH020F1-03002
1/2" (0.496" ± 0.002")	2"	400	120	F1	12"	DSW-RH020F1-04002
1/2" (0.496" ± 0.002")	2"	200	240	F1	12"	DSW-RH020F1-02005
1/2" (0.496" ± 0.002")	2"	250	240	F1	12"	DSW-RH020F1-02505
1/2" (0.496" ± 0.002")	2"	300	240	F1	12"	DSW-RH020F1-03005
1/2" (0.496" ± 0.002")	2"	400	240	F1	12"	DSW-RH020F1-04005
1/2" (0.496" ± 0.002")	2"	200	120	B1	15"	DSW-RH020B1-02002
1/2" (0.496" ± 0.002")	2"	250	120	B1	15"	DSW-RH020B1-02502
1/2" (0.496" ± 0.002")	2"	300	120	B1	15"	DSW-RH020B1-03002
1/2" (0.496" ± 0.002")	2"	400	120	B1	15"	DSW-RH020B1-04002
1/2" (0.496" ± 0.002")	2"	200	240	B1	15"	DSW-RH020B1-02005
1/2" (0.496" ± 0.002")	2"	250	240	B1	15"	DSW-RH020B1-02505
1/2" (0.496" ± 0.002")	2"	300	240	B1	15"	DSW-RH020B1-03005
1/2" (0.496" ± 0.002")	2"	400	240	B1	15"	DSW-RH020B1-04005
1/2" (0.496" ± 0.002")	2"	200	120	C1	15"	DSW-RH020C1-02002
1/2" (0.496" ± 0.002")	2"	250	120	C1	15"	DSW-RH020C1-02502
1/2" (0.496" ± 0.002")	2"	300	120	C1	15"	DSW-RH020C1-03002
1/2" (0.496" ± 0.002")	2"	400	120	C1	15"	DSW-RH020C1-04002
1/2" (0.496" ± 0.002")	2"	200	240	C1	15"	DSW-RH020C1-02005
1/2" (0.496" ± 0.002")	2"	250	240	C1	15"	DSW-RH020C1-02505
1/2" (0.496" ± 0.002")	2"	300	240	C1	15"	DSW-RH020C1-03005
1/2" (0.496" ± 0.002")	2"	400	240	C1	15"	DSW-RH020C1-04005
1/2" (0.496" ± 0.002")	2.5"	250	120	F1	12"	DSW-RH02HF1-02502
1/2" (0.496" ± 0.002")	2.5"	300	120	F1	12"	DSW-RH02HF1-03002
1/2" (0.496" ± 0.002")	2.5"	400	120	F1	12"	DSW-RH02HF1-04002
1/2" (0.496" ± 0.002")	2.5"	500	120	F1	12"	DSW-RH02HF1-05002
1/2" (0.496" ± 0.002")	2.5"	250	240	F1	12"	DSW-RH02HF1-02505
1/2" (0.496" ± 0.002")	2.5"	300	240	F1	12"	DSW-RH02HF1-03005
1/2" (0.496" ± 0.002")	2.5"	400	240	F1	12"	DSW-RH02HF1-04005
1/2" (0.496" ± 0.002")	2.5"	500	240	F1	12"	DSW-RH02HF1-05005
1/2" (0.496" ± 0.002")	2.5"	250	120	B1	15"	DSW-RH02HB1-02502
1/2" (0.496" ± 0.002")	2.5"	300	120	B1	15"	DSW-RH02HB1-03002
1/2" (0.496" ± 0.002")	2.5"	400	120	B1	15"	DSW-RH02HB1-04002
1/2" (0.496" ± 0.002")	2.5"	500	120	B1	15"	DSW-RH02HB1-05002
1/2" (0.496" ± 0.002")	2.5"	250	240	B1	15"	DSW-RH02HB1-02505

Cartridge Heaters



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Diameter	Length	Wattage	Voltage	Style	Leads Length	Part Numbers
1/2" (0.496" ± 0.002")	2.5"	300	240	B1	15"	DSW-RH02HB1-03005
1/2" (0.496" ± 0.002")	2.5"	400	240	B1	15"	DSW-RH02HB1-04005
1/2" (0.496" ± 0.002")	2.5"	500	240	B1	15"	DSW-RH02HB1-05005
1/2" (0.496" ± 0.002")	2.5"	250	120	C1	15"	DSW-RH02HC1-02502
1/2" (0.496" ± 0.002")	2.5"	300	120	C1	15"	DSW-RH02HC1-03002
1/2" (0.496" ± 0.002")	2.5"	400	120	C1	15"	DSW-RH02HC1-04002
1/2" (0.496" ± 0.002")	2.5"	500	120	C1	15"	DSW-RH02HC1-05002
1/2" (0.496" ± 0.002")	2.5"	250	240	C1	15"	DSW-RH02HC1-02505
1/2" (0.496" ± 0.002")	2.5"	300	240	C1	15"	DSW-RH02HC1-03005
1/2" (0.496" ± 0.002")	2.5"	400	240	C1	15"	DSW-RH02HC1-04005
1/2" (0.496" ± 0.002")	2.5"	500	240	C1	15"	DSW-RH02HC1-05005
1/2" (0.496" ± 0.002")	3"	250	120	F1	12"	DSW-RH030F1-02502
1/2" (0.496" ± 0.002")	3"	300	120	F1	12"	DSW-RH030F1-03002
1/2" (0.496" ± 0.002")	3"	400	120	F1	12"	DSW-RH030F1-04002
1/2" (0.496" ± 0.002")	3"	500	120	F1	12"	DSW-RH030F1-05002
1/2" (0.496" ± 0.002")	3"	250	240	F1	12"	DSW-RH030F1-02505
1/2" (0.496" ± 0.002")	3"	300	240	F1	12"	DSW-RH030F1-03005
1/2" (0.496" ± 0.002")	3"	400	240	F1	12"	DSW-RH030F1-04005
1/2" (0.496" ± 0.002")	3"	500	240	F1	12"	DSW-RH030F1-05005
1/2" (0.496" ± 0.002")	3"	250	120	B1	15"	DSW-RH030B1-02502
1/2" (0.496" ± 0.002")	3"	300	120	B1	15"	DSW-RH030B1-03002
1/2" (0.496" ± 0.002")	3"	400	120	B1	15"	DSW-RH030B1-04002
1/2" (0.496" ± 0.002")	3"	500	120	B1	15"	DSW-RH030B1-05002
1/2" (0.496" ± 0.002")	3"	250	240	B1	15"	DSW-RH030B1-02505
1/2" (0.496" ± 0.002")	3"	300	240	B1	15"	DSW-RH030B1-03005
1/2" (0.496" ± 0.002")	3"	400	240	B1	15"	DSW-RH030B1-04005
1/2" (0.496" ± 0.002")	3"	500	240	B1	15"	DSW-RH030B1-05005
1/2" (0.496" ± 0.002")	3"	250	120	C1	15"	DSW-RH030C1-02502
1/2" (0.496" ± 0.002")	3"	300	120	C1	15"	DSW-RH030C1-03002
1/2" (0.496" ± 0.002")	3"	400	120	C1	15"	DSW-RH030C1-04002
1/2" (0.496" ± 0.002")	3"	500	120	C1	15"	DSW-RH030C1-05002
1/2" (0.496" ± 0.002")	3"	250	240	C1	15"	DSW-RH030C1-02505
1/2" (0.496" ± 0.002")	3"	300	240	C1	15"	DSW-RH030C1-03005
1/2" (0.496" ± 0.002")	3"	400	240	C1	15"	DSW-RH030C1-04005
1/2" (0.496" ± 0.002")	3"	500	240	C1	15"	DSW-RH030C1-05005
1/2" (0.496" ± 0.002")	3.5"	250	120	F1	12"	DSW-RH03HF1-02502
1/2" (0.496" ± 0.002")	3.5"	500	120	F1	12"	DSW-RH03HF1-05002
1/2" (0.496" ± 0.002")	3.5"	250	240	F1	12"	DSW-RH03HF1-02505
1/2" (0.496" ± 0.002")	3.5"	500	240	F1	12"	DSW-RH03HF1-05005
1/2" (0.496" ± 0.002")	3.5"	250	120	B1	15"	DSW-RH03HB1-02502
1/2" (0.496" ± 0.002")	3.5"	500	120	B1	15"	DSW-RH03HB1-05002
1/2" (0.496" ± 0.002")	3.5"	250	240	B1	15"	DSW-RH03HB1-02505
1/2" (0.496" ± 0.002")	3.5"	500	240	B1	15"	DSW-RH03HB1-05005
1/2" (0.496" ± 0.002")	4"	300	120	F1	12"	DSW-RH040F1-03002
1/2" (0.496" ± 0.002")	4"	400	120	F1	12"	DSW-RH040F1-04002
1/2" (0.496" ± 0.002")	4"	500	120	F1	12"	DSW-RH040F1-05002
1/2" (0.496" ± 0.002")	4"	750	120	F1	12"	DSW-RH040F1-07502
1/2" (0.496" ± 0.002")	4"	300	240	F1	12"	DSW-RH040F1-03005
1/2" (0.496" ± 0.002")	4"	400	240	F1	12"	DSW-RH040F1-04005
1/2" (0.496" ± 0.002")	4"	500	240	F1	12"	DSW-RH040F1-05005
1/2" (0.496" ± 0.002")	4"	750	240	F1	12"	DSW-RH040F1-07505
1/2" (0.496" ± 0.002")	4"	300	120	B1	15"	DSW-RH040B1-03002
1/2" (0.496" ± 0.002")	4"	400	120	B1	15"	DSW-RH040B1-04002

Cartridge Heaters



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closing the loop on thermal solutions

STANDARD CARTRIDGE HEATERS

Diameter	Length	Wattage	Voltage	Style	Leads Length	Part Numbers
1/2" (0.496" ± 0.002")	4"	500	120	B1	15"	DSW-RH040B1-05002
1/2" (0.496" ± 0.002")	4"	750	120	B1	15"	DSW-RH040B1-07502
1/2" (0.496" ± 0.002")	4"	300	240	B1	15"	DSW-RH040B1-03005
1/2" (0.496" ± 0.002")	4"	400	240	B1	15"	DSW-RH040B1-04005
1/2" (0.496" ± 0.002")	4"	500	240	B1	15"	DSW-RH040B1-05005
1/2" (0.496" ± 0.002")	4"	750	240	B1	15"	DSW-RH040B1-07505
1/2" (0.496" ± 0.002")	4"	300	120	C1	15"	DSW-RH040C1-03002
1/2" (0.496" ± 0.002")	4"	400	120	C1	15"	DSW-RH040C1-04002
1/2" (0.496" ± 0.002")	4"	500	120	C1	15"	DSW-RH040C1-05002
1/2" (0.496" ± 0.002")	4"	750	120	C1	15"	DSW-RH040C1-07502
1/2" (0.496" ± 0.002")	4"	300	240	C1	15"	DSW-RH040C1-03005
1/2" (0.496" ± 0.002")	4"	400	240	C1	15"	DSW-RH040C1-04005
1/2" (0.496" ± 0.002")	4"	500	240	C1	15"	DSW-RH040C1-05005
1/2" (0.496" ± 0.002")	4"	750	240	C1	15"	DSW-RH040C1-07505
1/2" (0.496" ± 0.002")	4.5"	500	120	F1	12"	DSW-RH04HF1-05002
1/2" (0.496" ± 0.002")	4.5"	650	120	F1	12"	DSW-RH04HF1-06502
1/2" (0.496" ± 0.002")	4.5"	750	120	F1	12"	DSW-RH04HF1-07502
1/2" (0.496" ± 0.002")	4.5"	500	240	F1	12"	DSW-RH04HF1-05005
1/2" (0.496" ± 0.002")	4.5"	650	240	F1	12"	DSW-RH04HF1-06505
1/2" (0.496" ± 0.002")	4.5"	750	240	F1	12"	DSW-RH04HF1-07505
1/2" (0.496" ± 0.002")	4.5"	500	120	B1	15"	DSW-RH04HB1-05002
1/2" (0.496" ± 0.002")	4.5"	650	120	B1	15"	DSW-RH04HB1-06502
1/2" (0.496" ± 0.002")	4.5"	750	120	B1	15"	DSW-RH04HB1-07502
1/2" (0.496" ± 0.002")	4.5"	500	240	B1	15"	DSW-RH04HB1-05005
1/2" (0.496" ± 0.002")	4.5"	650	240	B1	15"	DSW-RH04HB1-06505
1/2" (0.496" ± 0.002")	4.5"	750	240	B1	15"	DSW-RH04HB1-07505
1/2" (0.496" ± 0.002")	5"	200	120	F1	12"	DSW-RH050F1-02002
1/2" (0.496" ± 0.002")	5"	400	120	F1	12"	DSW-RH050F1-04002
1/2" (0.496" ± 0.002")	5"	500	120	F1	12"	DSW-RH050F1-05002
1/2" (0.496" ± 0.002")	5"	750	120	F1	12"	DSW-RH050F1-07502
1/2" (0.496" ± 0.002")	5"	200	240	F1	12"	DSW-RH050F1-02005
1/2" (0.496" ± 0.002")	5"	400	240	F1	12"	DSW-RH050F1-04005
1/2" (0.496" ± 0.002")	5"	500	240	F1	12"	DSW-RH050F1-05005
1/2" (0.496" ± 0.002")	5"	750	240	F1	12"	DSW-RH050F1-07505
1/2" (0.496" ± 0.002")	5"	200	120	B1	15"	DSW-RH050B1-02002
1/2" (0.496" ± 0.002")	5"	400	120	B1	15"	DSW-RH050B1-04002
1/2" (0.496" ± 0.002")	5"	500	120	B1	15"	DSW-RH050B1-05002
1/2" (0.496" ± 0.002")	5"	750	120	B1	15"	DSW-RH050B1-07502
1/2" (0.496" ± 0.002")	5"	200	240	B1	15"	DSW-RH050B1-02005
1/2" (0.496" ± 0.002")	5"	400	240	B1	15"	DSW-RH050B1-04005
1/2" (0.496" ± 0.002")	5"	500	240	B1	15"	DSW-RH050B1-05005
1/2" (0.496" ± 0.002")	5"	750	240	B1	15"	DSW-RH050B1-07505
1/2" (0.496" ± 0.002")	5"	200	120	C1	15"	DSW-RH050C1-02002
1/2" (0.496" ± 0.002")	5"	400	120	C1	15"	DSW-RH050C1-04002
1/2" (0.496" ± 0.002")	5"	500	120	C1	15"	DSW-RH050C1-05002
1/2" (0.496" ± 0.002")	5"	750	120	C1	15"	DSW-RH050C1-07502
1/2" (0.496" ± 0.002")	5"	200	240	C1	15"	DSW-RH050C1-02005
1/2" (0.496" ± 0.002")	5"	400	240	C1	15"	DSW-RH050C1-04005
1/2" (0.496" ± 0.002")	5"	500	240	C1	15"	DSW-RH050C1-05005
1/2" (0.496" ± 0.002")	5"	750	240	C1	15"	DSW-RH050C1-07505
1/2" (0.496" ± 0.002")	5.5"	500	120	F1	12"	DSW-RH05HF1-05002
1/2" (0.496" ± 0.002")	5.5"	750	120	F1	12"	DSW-RH05HF1-07502
1/2" (0.496" ± 0.002")	5.5"	500	240	F1	12"	DSW-RH05HF1-05005

Cartridge Heaters



Cartridge Heaters

closing the loop on thermal solutions

STANDARD CARTRIDGE HEATERS

Diameter	Length	Wattage	Voltage	Style	Leads Length	Part Numbers
1/2" (0.496" ± 0.002")	5.5"	750	240	F1	12"	DSW-RH05HF1-07505
1/2" (0.496" ± 0.002")	5.5"	500	120	B1	15"	DSW-RH05HB1-05002
1/2" (0.496" ± 0.002")	5.5"	750	120	B1	15"	DSW-RH05HB1-07502
1/2" (0.496" ± 0.002")	5.5"	500	240	B1	15"	DSW-RH05HB1-05005
1/2" (0.496" ± 0.002")	5.5"	750	240	B1	15"	DSW-RH05HB1-07505
1/2" (0.496" ± 0.002")	6"	500	120	F1	12"	DSW-RH060F1-05002
1/2" (0.496" ± 0.002")	6"	750	120	F1	12"	DSW-RH060F1-07502
1/2" (0.496" ± 0.002")	6"	850	120	F1	12"	DSW-RH060F1-08502
1/2" (0.496" ± 0.002")	6"	1000	120	F1	12"	DSW-RH060F1-10002
1/2" (0.496" ± 0.002")	6"	500	240	F1	12"	DSW-RH060F1-05005
1/2" (0.496" ± 0.002")	6"	750	240	F1	12"	DSW-RH060F1-07505
1/2" (0.496" ± 0.002")	6"	850	240	F1	12"	DSW-RH060F1-08505
1/2" (0.496" ± 0.002")	6"	1000	240	F1	12"	DSW-RH060F1-10005
1/2" (0.496" ± 0.002")	6"	500	120	B1	15"	DSW-RH060B1-05002
1/2" (0.496" ± 0.002")	6"	750	120	B1	15"	DSW-RH060B1-07502
1/2" (0.496" ± 0.002")	6"	850	120	B1	15"	DSW-RH060B1-08502
1/2" (0.496" ± 0.002")	6"	1000	120	B1	15"	DSW-RH060B1-10002
1/2" (0.496" ± 0.002")	6"	500	240	B1	15"	DSW-RH060B1-05005
1/2" (0.496" ± 0.002")	6"	750	240	B1	15"	DSW-RH060B1-07505
1/2" (0.496" ± 0.002")	6"	850	240	B1	15"	DSW-RH060B1-08505
1/2" (0.496" ± 0.002")	6"	1000	240	B1	15"	DSW-RH060B1-10005
1/2" (0.496" ± 0.002")	6"	500	120	C1	15"	DSW-RH060C1-05002
1/2" (0.496" ± 0.002")	6"	750	120	C1	15"	DSW-RH060C1-07502
1/2" (0.496" ± 0.002")	6"	850	120	C1	15"	DSW-RH060C1-08502
1/2" (0.496" ± 0.002")	6"	1000	120	C1	15"	DSW-RH060C1-10002
1/2" (0.496" ± 0.002")	6"	500	240	C1	15"	DSW-RH060C1-05005
1/2" (0.496" ± 0.002")	6"	750	240	C1	15"	DSW-RH060C1-07505
1/2" (0.496" ± 0.002")	6"	850	240	C1	15"	DSW-RH060C1-08505
1/2" (0.496" ± 0.002")	6"	1000	240	C1	15"	DSW-RH060C1-10005
1/2" (0.496" ± 0.002")	7"	500	120	F1	12"	DSW-RH070F1-05002
1/2" (0.496" ± 0.002")	7"	600	120	F1	12"	DSW-RH070F1-06002
1/2" (0.496" ± 0.002")	7"	1000	120	F1	12"	DSW-RH070F1-10002
1/2" (0.496" ± 0.002")	7"	500	240	F1	12"	DSW-RH070F1-05005
1/2" (0.496" ± 0.002")	7"	600	240	F1	12"	DSW-RH070F1-06005
1/2" (0.496" ± 0.002")	7"	1000	240	F1	12"	DSW-RH070F1-10005
1/2" (0.496" ± 0.002")	7"	500	120	B1	15"	DSW-RH070B1-05002
1/2" (0.496" ± 0.002")	7"	600	120	B1	15"	DSW-RH070B1-06002
1/2" (0.496" ± 0.002")	7"	1000	120	B1	15"	DSW-RH070B1-10002
1/2" (0.496" ± 0.002")	7"	500	240	B1	15"	DSW-RH070B1-05005
1/2" (0.496" ± 0.002")	7"	600	240	B1	15"	DSW-RH070B1-06005
1/2" (0.496" ± 0.002")	7"	1000	240	B1	15"	DSW-RH070B1-10005
1/2" (0.496" ± 0.002")	7.5"	500	120	F1	12"	DSW-RH07HF1-05002
1/2" (0.496" ± 0.002")	7.5"	1000	120	F1	12"	DSW-RH07HF1-10002
1/2" (0.496" ± 0.002")	7.5"	500	240	F1	12"	DSW-RH07HF1-05005
1/2" (0.496" ± 0.002")	7.5"	1000	240	F1	12"	DSW-RH07HF1-10005
1/2" (0.496" ± 0.002")	7.5"	500	120	B1	15"	DSW-RH07HB1-05002
1/2" (0.496" ± 0.002")	7.5"	1000	120	B1	15"	DSW-RH07HB1-10002
1/2" (0.496" ± 0.002")	7.5"	500	240	B1	15"	DSW-RH07HB1-05005
1/2" (0.496" ± 0.002")	7.5"	1000	240	B1	15"	DSW-RH07HB1-10005
1/2" (0.496" ± 0.002")	8"	500	120	F1	12"	DSW-RH080F1-05002
1/2" (0.496" ± 0.002")	8"	750	120	F1	12"	DSW-RH080F1-07502
1/2" (0.496" ± 0.002")	8"	1000	120	F1	12"	DSW-RH080F1-10002
1/2" (0.496" ± 0.002")	8"	500	240	F1	12"	DSW-RH080F1-05005

Cartridge Heaters



Cartridge Heaters

closing the loop on thermal solutions

STANDARD CARTRIDGE HEATERS

Diameter	Length	Wattage	Voltage	Style	Leads Length	Part Numbers
1/2" (0.496" ± 0.002")	8"	750	240	F1	12"	DSW-RH080F1-07505
1/2" (0.496" ± 0.002")	8"	1000	240	F1	12"	DSW-RH080F1-10005
1/2" (0.496" ± 0.002")	8"	500	120	B1	15"	DSW-RH080B1-05002
1/2" (0.496" ± 0.002")	8"	750	120	B1	15"	DSW-RH080B1-07502
1/2" (0.496" ± 0.002")	8"	1000	120	B1	15"	DSW-RH080B1-10002
1/2" (0.496" ± 0.002")	8"	500	240	B1	15"	DSW-RH080B1-05005
1/2" (0.496" ± 0.002")	8"	750	240	B1	15"	DSW-RH080B1-07505
1/2" (0.496" ± 0.002")	8"	1000	240	B1	15"	DSW-RH080B1-10005
1/2" (0.496" ± 0.002")	8"	500	120	C1	15"	DSW-RH080C1-05002
1/2" (0.496" ± 0.002")	8"	750	120	C1	15"	DSW-RH080C1-07502
1/2" (0.496" ± 0.002")	8"	1000	120	C1	15"	DSW-RH080C1-10002
1/2" (0.496" ± 0.002")	8"	500	240	C1	15"	DSW-RH080C1-05005
1/2" (0.496" ± 0.002")	8"	750	240	C1	15"	DSW-RH080C1-07505
1/2" (0.496" ± 0.002")	8"	1000	240	C1	15"	DSW-RH080C1-10005
1/2" (0.496" ± 0.002")	9.5"	800	120	F1	12"	DSW-RH09HF1-08002
1/2" (0.496" ± 0.002")	9.5"	1000	120	F1	12"	DSW-RH09HF1-10002
1/2" (0.496" ± 0.002")	9.5"	800	240	F1	12"	DSW-RH09HF1-08005
1/2" (0.496" ± 0.002")	9.5"	1000	240	F1	12"	DSW-RH09HF1-10005
1/2" (0.496" ± 0.002")	9.5"	800	120	B1	15"	DSW-RH09HB1-08002
1/2" (0.496" ± 0.002")	9.5"	1000	120	B1	15"	DSW-RH09HB1-10002
1/2" (0.496" ± 0.002")	9.5"	800	240	B1	15"	DSW-RH09HB1-08005
1/2" (0.496" ± 0.002")	9.5"	1000	240	B1	15"	DSW-RH09HB1-10005
1/2" (0.496" ± 0.002")	10"	500	120	F1	12"	DSW-RH100F1-05002
1/2" (0.496" ± 0.002")	10"	1000	120	F1	12"	DSW-RH100F1-10002
1/2" (0.496" ± 0.002")	10"	1500	120	F1	12"	DSW-RH100F1-15002
1/2" (0.496" ± 0.002")	10"	500	240	F1	12"	DSW-RH100F1-05005
1/2" (0.496" ± 0.002")	10"	1000	240	F1	12"	DSW-RH100F1-10005
1/2" (0.496" ± 0.002")	10"	1500	240	F1	12"	DSW-RH100F1-15005
1/2" (0.496" ± 0.002")	10"	500	120	B1	15"	DSW-RH100B1-05002
1/2" (0.496" ± 0.002")	10"	1000	120	B1	15"	DSW-RH100B1-10002
1/2" (0.496" ± 0.002")	10"	1500	120	B1	15"	DSW-RH100B1-15002
1/2" (0.496" ± 0.002")	10"	500	240	B1	15"	DSW-RH100B1-05005
1/2" (0.496" ± 0.002")	10"	1000	240	B1	15"	DSW-RH100B1-10005
1/2" (0.496" ± 0.002")	10"	1500	240	B1	15"	DSW-RH100B1-15005
1/2" (0.496" ± 0.002")	10"	500	120	C1	15"	DSW-RH100C1-05002
1/2" (0.496" ± 0.002")	10"	1000	120	C1	15"	DSW-RH100C1-10002
1/2" (0.496" ± 0.002")	10"	1500	120	C1	15"	DSW-RH100C1-15002
1/2" (0.496" ± 0.002")	10"	500	240	C1	15"	DSW-RH100C1-05005
1/2" (0.496" ± 0.002")	10"	1000	240	C1	15"	DSW-RH100C1-10005
1/2" (0.496" ± 0.002")	10"	1500	240	C1	15"	DSW-RH100C1-15005
5/8" (0.621" ± 0.002")	2"	200	120	F1	12"	DSW-RK020F1-02002
5/8" (0.621" ± 0.002")	2"	250	120	F1	12"	DSW-RK020F1-02502
5/8" (0.621" ± 0.002")	2"	200	240	F1	12"	DSW-RK020F1-02005
5/8" (0.621" ± 0.002")	2"	250	240	F1	12"	DSW-RK020F1-02505
5/8" (0.621" ± 0.002")	2"	200	120	B1	15"	DSW-RK020B1-02002
5/8" (0.621" ± 0.002")	2"	250	120	B1	15"	DSW-RK020B1-02502
5/8" (0.621" ± 0.002")	2"	200	240	B1	15"	DSW-RK020B1-02005
5/8" (0.621" ± 0.002")	2"	250	240	B1	15"	DSW-RK020B1-02505
5/8" (0.621" ± 0.002")	2.5"	275	120	F1	12"	DSW-RK02HF1-02752
5/8" (0.621" ± 0.002")	2.5"	400	120	F1	12"	DSW-RK02HF1-04002
5/8" (0.621" ± 0.002")	2.5"	275	240	F1	12"	DSW-RK02HF1-02755
5/8" (0.621" ± 0.002")	2.5"	400	240	F1	12"	DSW-RK02HF1-04005



closing the loop on thermal solutions

Cartridge Heaters

STANDARD CARTRIDGE HEATERS

Diameter	Length	Wattage	Voltage	Style	Leads Length	Part Numbers
5/8" (0.621" ± 0.002")	2.5"	275	120	B1	15"	DSW-RK02HB1-02752
5/8" (0.621" ± 0.002")	2.5"	400	120	B1	15"	DSW-RK02HB1-04002
5/8" (0.621" ± 0.002")	2.5"	275	240	B1	15"	DSW-RK02HB1-02755
5/8" (0.621" ± 0.002")	2.5"	400	240	B1	15"	DSW-RK02HB1-04005
5/8" (0.621" ± 0.002")	3"	250	120	F1	12"	DSW-RK030F1-02502
5/8" (0.621" ± 0.002")	3"	500	120	F1	12"	DSW-RK030F1-05002
5/8" (0.621" ± 0.002")	3"	750	120	F1	12"	DSW-RK030F1-07502
5/8" (0.621" ± 0.002")	3"	250	240	F1	12"	DSW-RK030F1-02505
5/8" (0.621" ± 0.002")	3"	500	240	F1	12"	DSW-RK030F1-05005
5/8" (0.621" ± 0.002")	3"	750	240	F1	12"	DSW-RK030F1-07505
5/8" (0.621" ± 0.002")	3"	250	120	B1	15"	DSW-RK030B1-02502
5/8" (0.621" ± 0.002")	3"	500	120	B1	15"	DSW-RK030B1-05002
5/8" (0.621" ± 0.002")	3"	750	120	B1	15"	DSW-RK030B1-07502
5/8" (0.621" ± 0.002")	3"	250	240	B1	15"	DSW-RK030B1-02505
5/8" (0.621" ± 0.002")	3"	500	240	B1	15"	DSW-RK030B1-05005
5/8" (0.621" ± 0.002")	3"	750	240	B1	15"	DSW-RK030B1-07505
5/8" (0.621" ± 0.002")	4"	250	120	F1	12"	DSW-RK040F1-02502
5/8" (0.621" ± 0.002")	4"	500	120	F1	12"	DSW-RK040F1-05002
5/8" (0.621" ± 0.002")	4"	750	120	F1	12"	DSW-RK040F1-07502
5/8" (0.621" ± 0.002")	4"	250	240	F1	12"	DSW-RK040F1-02505
5/8" (0.621" ± 0.002")	4"	500	240	F1	12"	DSW-RK040F1-05005
5/8" (0.621" ± 0.002")	4"	750	240	F1	12"	DSW-RK040F1-07505
5/8" (0.621" ± 0.002")	4"	250	120	B1	15"	DSW-RK040B1-02502
5/8" (0.621" ± 0.002")	4"	500	120	B1	15"	DSW-RK040B1-05002
5/8" (0.621" ± 0.002")	4"	750	120	B1	15"	DSW-RK040B1-07502
5/8" (0.621" ± 0.002")	4"	250	240	B1	15"	DSW-RK040B1-02505
5/8" (0.621" ± 0.002")	4"	500	240	B1	15"	DSW-RK040B1-05005
5/8" (0.621" ± 0.002")	4"	750	240	B1	15"	DSW-RK040B1-07505
5/8" (0.621" ± 0.002")	4.5"	750	120	F1	12"	DSW-RK04HF1-07502
5/8" (0.621" ± 0.002")	4.5"	750	240	F1	12"	DSW-RK04HF1-07505
5/8" (0.621" ± 0.002")	4.5"	750	120	B1	15"	DSW-RK04HB1-07502
5/8" (0.621" ± 0.002")	4.5"	750	240	B1	15"	DSW-RK04HB1-07505
5/8" (0.621" ± 0.002")	5"	500	120	F1	12"	DSW-RK050F1-05002
5/8" (0.621" ± 0.002")	5"	750	120	F1	12"	DSW-RK050F1-07502
5/8" (0.621" ± 0.002")	5"	1000	120	F1	12"	DSW-RK050F1-10002
5/8" (0.621" ± 0.002")	5"	500	240	F1	12"	DSW-RK050F1-05005
5/8" (0.621" ± 0.002")	5"	750	240	F1	12"	DSW-RK050F1-07505
5/8" (0.621" ± 0.002")	5"	1000	240	F1	12"	DSW-RK050F1-10005
5/8" (0.621" ± 0.002")	5"	500	120	B1	15"	DSW-RK050B1-05002
5/8" (0.621" ± 0.002")	5"	750	120	B1	15"	DSW-RK050B1-07502
5/8" (0.621" ± 0.002")	5"	1000	120	B1	15"	DSW-RK050B1-10002
5/8" (0.621" ± 0.002")	5"	500	240	B1	15"	DSW-RK050B1-05005
5/8" (0.621" ± 0.002")	5"	750	240	B1	15"	DSW-RK050B1-07505
5/8" (0.621" ± 0.002")	5"	1000	240	B1	15"	DSW-RK050B1-10005
5/8" (0.621" ± 0.002")	6"	500	120	F1	12"	DSW-RK060F1-05002
5/8" (0.621" ± 0.002")	6"	750	120	F1	12"	DSW-RK060F1-07502
5/8" (0.621" ± 0.002")	6"	1000	120	F1	12"	DSW-RK060F1-10002
5/8" (0.621" ± 0.002")	6"	1500	120	F1	12"	DSW-RK060F1-15002
5/8" (0.621" ± 0.002")	6"	500	240	F1	12"	DSW-RK060F1-05005
5/8" (0.621" ± 0.002")	6"	750	240	F1	12"	DSW-RK060F1-07505
5/8" (0.621" ± 0.002")	6"	1000	240	F1	12"	DSW-RK060F1-10005
5/8" (0.621" ± 0.002")	6"	1500	240	F1	12"	DSW-RK060F1-15005
5/8" (0.621" ± 0.002")	6"	500	120	B1	15"	DSW-RK060B1-05002

Cartridge Heaters



closing the loop on thermal solutions

Cartridge Heaters

STANDARD CARTRIDGE HEATERS

Diameter	Length	Wattage	Voltage	Style	Leads Length	Part Numbers
5/8" (0.621" ± 0.002")	6"	750	120	B1	15"	DSW-RK060B1-07502
5/8" (0.621" ± 0.002")	6"	1000	120	B1	15"	DSW-RK060B1-10002
5/8" (0.621" ± 0.002")	6"	1500	120	B1	15"	DSW-RK060B1-15002
5/8" (0.621" ± 0.002")	6"	500	240	B1	15"	DSW-RK060B1-05005
5/8" (0.621" ± 0.002")	6"	750	240	B1	15"	DSW-RK060B1-07505
5/8" (0.621" ± 0.002")	6"	1000	240	B1	15"	DSW-RK060B1-10005
5/8" (0.621" ± 0.002")	6"	1500	240	B1	15"	DSW-RK060B1-15005
5/8" (0.621" ± 0.002")	8"	1000	120	F1	12"	DSW-RK080F1-10002
5/8" (0.621" ± 0.002")	8"	1200	120	F1	12"	DSW-RK080F1-12002
5/8" (0.621" ± 0.002")	8"	1500	120	F1	12"	DSW-RK080F1-15002
5/8" (0.621" ± 0.002")	8"	1000	240	F1	12"	DSW-RK080F1-10005
5/8" (0.621" ± 0.002")	8"	1200	240	F1	12"	DSW-RK080F1-12005
5/8" (0.621" ± 0.002")	8"	1500	240	F1	12"	DSW-RK080F1-15005
5/8" (0.621" ± 0.002")	8"	1000	120	B1	15"	DSW-RK080B1-10002
5/8" (0.621" ± 0.002")	8"	1200	120	B1	15"	DSW-RK080B1-12002
5/8" (0.621" ± 0.002")	8"	1500	120	B1	15"	DSW-RK080B1-15002
5/8" (0.621" ± 0.002")	8"	1000	240	B1	15"	DSW-RK080B1-10005
5/8" (0.621" ± 0.002")	8"	1200	240	B1	15"	DSW-RK080B1-12005
5/8" (0.621" ± 0.002")	8"	1500	240	B1	15"	DSW-RK080B1-15005
5/8" (0.621" ± 0.002")	10"	800	120	F1	12"	DSW-RK100F1-08002
5/8" (0.621" ± 0.002")	10"	1000	120	F1	12"	DSW-RK100F1-10002
5/8" (0.621" ± 0.002")	10"	1500	120	F1	12"	DSW-RK100F1-15002
5/8" (0.621" ± 0.002")	10"	800	240	F1	12"	DSW-RK100F1-08005
5/8" (0.621" ± 0.002")	10"	1000	240	F1	12"	DSW-RK100F1-10005
5/8" (0.621" ± 0.002")	10"	1500	240	F1	12"	DSW-RK100F1-15005
5/8" (0.621" ± 0.002")	10"	800	120	B1	15"	DSW-RK100B1-08002
5/8" (0.621" ± 0.002")	10"	1000	120	B1	15"	DSW-RK100B1-10002
5/8" (0.621" ± 0.002")	10"	1500	120	B1	15"	DSW-RK100B1-15002
5/8" (0.621" ± 0.002")	10"	800	240	B1	15"	DSW-RK100B1-08005
5/8" (0.621" ± 0.002")	10"	1000	240	B1	15"	DSW-RK100B1-10005
5/8" (0.621" ± 0.002")	10"	1500	240	B1	15"	DSW-RK100B1-15005
3/4" (0.746" ± 0.002")	3"	500	120	F1	12"	DSW-RM030F1-05002
3/4" (0.746" ± 0.002")	3"	600	120	F1	12"	DSW-RM030F1-06002
3/4" (0.746" ± 0.002")	3"	500	240	F1	12"	DSW-RM030F1-05005
3/4" (0.746" ± 0.002")	3"	600	240	F1	12"	DSW-RM030F1-06005
3/4" (0.746" ± 0.002")	3"	500	120	B1	15"	DSW-RM030B1-05002
3/4" (0.746" ± 0.002")	3"	600	120	B1	15"	DSW-RM030B1-06002
3/4" (0.746" ± 0.002")	3"	500	240	B1	15"	DSW-RM030B1-05005
3/4" (0.746" ± 0.002")	3"	600	240	B1	15"	DSW-RM030B1-06005
3/4" (0.746" ± 0.002")	4"	500	120	F1	12"	DSW-RM040F1-05002
3/4" (0.746" ± 0.002")	4"	1000	120	F1	12"	DSW-RM040F1-10002
3/4" (0.746" ± 0.002")	4"	500	240	F1	12"	DSW-RM040F1-05005
3/4" (0.746" ± 0.002")	4"	1000	240	F1	12"	DSW-RM040F1-10005
3/4" (0.746" ± 0.002")	4"	500	120	B1	15"	DSW-RM040B1-05002
3/4" (0.746" ± 0.002")	4"	1000	120	B1	15"	DSW-RM040B1-10002
3/4" (0.746" ± 0.002")	4"	500	240	B1	15"	DSW-RM040B1-05005
3/4" (0.746" ± 0.002")	4"	1000	240	B1	15"	DSW-RM040B1-10005
3/4" (0.746" ± 0.002")	5"	500	120	F1	12"	DSW-RM050F1-05002
3/4" (0.746" ± 0.002")	5"	1000	120	F1	12"	DSW-RM050F1-10002
3/4" (0.746" ± 0.002")	5"	500	240	F1	12"	DSW-RM050F1-05005
3/4" (0.746" ± 0.002")	5"	1000	240	F1	12"	DSW-RM050F1-10005
3/4" (0.746" ± 0.002")	5"	500	120	B1	15"	DSW-RM050B1-05002

Cartridge Heaters



Cartridge Heaters

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Diameter	Length	Wattage	Voltage	Style	Leads Length	Part Numbers
3/4" (0.746" ± 0.002")	5"	1000	120	B1	15"	DSW-RM050B1-10002
3/4" (0.746" ± 0.002")	5"	500	240	B1	15"	DSW-RM050B1-05005
3/4" (0.746" ± 0.002")	5"	1000	240	B1	15"	DSW-RM050B1-10005
3/4" (0.746" ± 0.002")	6"	1000	120	F1	12"	DSW-RM060F1-10002
3/4" (0.746" ± 0.002")	6"	1200	120	F1	12"	DSW-RM060F1-12002
3/4" (0.746" ± 0.002")	6"	2000	120	F1	12"	DSW-RM060F1-20002
3/4" (0.746" ± 0.002")	6"	1000	240	F1	12"	DSW-RM060F1-10005
3/4" (0.746" ± 0.002")	6"	1200	240	F1	12"	DSW-RM060F1-12005
3/4" (0.746" ± 0.002")	6"	2000	240	F1	12"	DSW-RM060F1-20005
3/4" (0.746" ± 0.002")	6"	1000	120	B1	15"	DSW-RM060B1-10002
3/4" (0.746" ± 0.002")	6"	1200	120	B1	15"	DSW-RM060B1-12002
3/4" (0.746" ± 0.002")	6"	2000	120	B1	15"	DSW-RM060B1-20002
3/4" (0.746" ± 0.002")	6"	1000	240	B1	15"	DSW-RM060B1-10005
3/4" (0.746" ± 0.002")	6"	1200	240	B1	15"	DSW-RM060B1-12005
3/4" (0.746" ± 0.002")	6"	2000	240	B1	15"	DSW-RM060B1-20005
3/4" (0.746" ± 0.002")	7"	1000	120	F1	12"	DSW-RM070F1-10002
3/4" (0.746" ± 0.002")	7"	1500	120	F1	12"	DSW-RM070F1-15002
3/4" (0.746" ± 0.002")	7"	1000	240	F1	12"	DSW-RM070F1-10005
3/4" (0.746" ± 0.002")	7"	1500	240	F1	12"	DSW-RM070F1-15005
3/4" (0.746" ± 0.002")	7"	1000	120	B1	15"	DSW-RM070B1-10002
3/4" (0.746" ± 0.002")	7"	1500	120	B1	15"	DSW-RM070B1-15002
3/4" (0.746" ± 0.002")	7"	1000	240	B1	15"	DSW-RM070B1-10005
3/4" (0.746" ± 0.002")	7"	1500	240	B1	15"	DSW-RM070B1-15005
3/4" (0.746" ± 0.002")	8"	1000	120	F1	12"	DSW-RM080F1-10002
3/4" (0.746" ± 0.002")	8"	2000	120	F1	12"	DSW-RM080F1-20002
3/4" (0.746" ± 0.002")	8"	1000	240	F1	12"	DSW-RM080F1-10005
3/4" (0.746" ± 0.002")	8"	2000	240	F1	12"	DSW-RM080F1-20005
3/4" (0.746" ± 0.002")	8"	1000	120	B1	15"	DSW-RM080B1-10002
3/4" (0.746" ± 0.002")	8"	2000	120	B1	15"	DSW-RM080B1-20002
3/4" (0.746" ± 0.002")	8"	1000	240	B1	15"	DSW-RM080B1-10005
3/4" (0.746" ± 0.002")	8"	2000	240	B1	15"	DSW-RM080B1-20005
3/4" (0.746" ± 0.002")	10"	1000	120	F1	12"	DSW-RM100F1-10002
3/4" (0.746" ± 0.002")	10"	2000	120	F1	12"	DSW-RM100F1-20002
3/4" (0.746" ± 0.002")	10"	1000	240	F1	12"	DSW-RM100F1-10005
3/4" (0.746" ± 0.002")	10"	2000	240	F1	12"	DSW-RM100F1-20005
3/4" (0.746" ± 0.002")	10"	1000	120	B1	15"	DSW-RM100B1-10002
3/4" (0.746" ± 0.002")	10"	2000	120	B1	15"	DSW-RM100B1-20002
3/4" (0.746" ± 0.002")	10"	1000	240	B1	15"	DSW-RM100B1-10005
3/4" (0.746" ± 0.002")	10"	2000	240	B1	15"	DSW-RM100B1-20005

Cartridge Heaters



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Cartridge Heaters

CARTRIDGE HEATER TEMPLATE

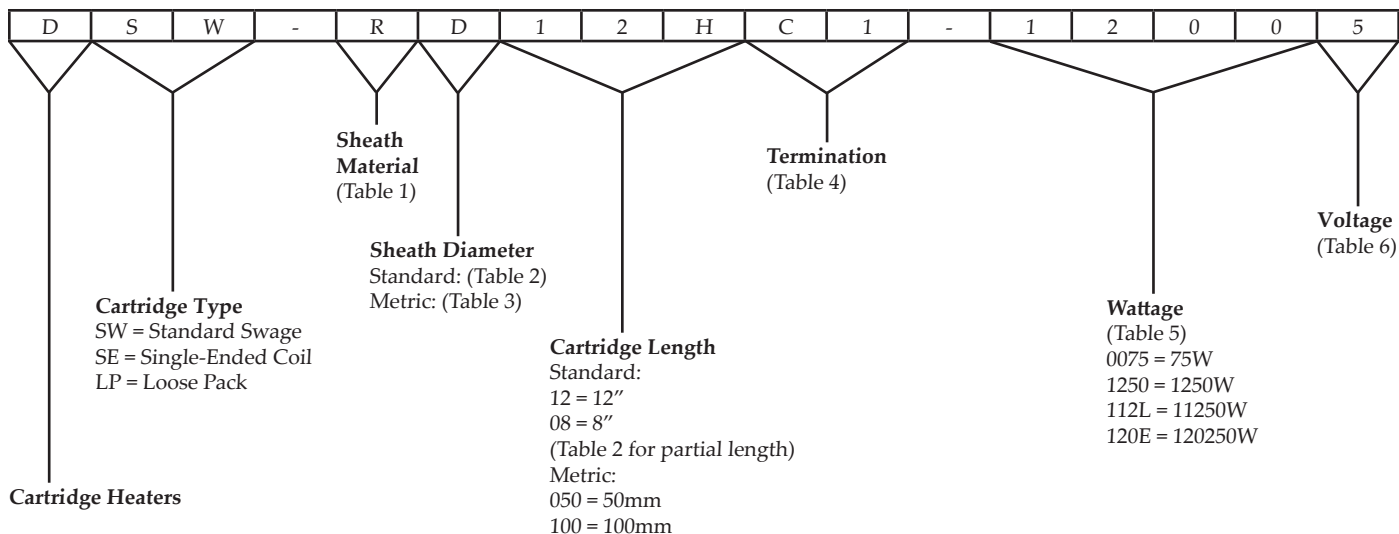


Table 1

Sheath Material Code
C = Copper
B = Steel
R = 304 Stainless Steel
S = 316 Stainless Steel
N = Incoloy
L = Inconel
X = Special

Table 2

Sheath Diameter / Cartridge Length Code				
Frac.	=	Dec.	=	Code
0	=	0	=	0
1/8"	=	0.125"	=	B
1/4"	=	0.250"	=	D
5/16"	=	0.312"	=	E
3/8"	=	0.375"	=	F
1/2"	=	0.5"	=	H
5/8"	=	0.625"	=	K
11/16"	=	0.688"	=	L
3/4"	=	0.75"	=	M
1"	=	1"	=	S

Table 3

Metric Dia. Code	
1	6.5 mm
2	8 mm
3	10 mm
4	12.5 mm
5	16 mm
6	20 mm

Table 4

Termination Code	
S1	Standard Leads
F1	Swaged-In Flexible Leads
TS	Teflon Leads & Seal
TC	Internal Thermocouple
R1	Right Angle Leads
B1	Straight Braid Lead Protection
B2	Right Angle Braid Protection
C1	Straight Armor Cable
C2	Right Angle Armor Cable
C4	Right Angle Armor Cable w/ Copper Elbow
MS	Immersion Pipe Fitting Stainless Steel
MB	Immersion Pipe Fitting Brass
MF	Mounting Flange
N1	Post Terminals
XX	Special

Table 5

Wattage Codes
C = 00
A = 25
L = 50
B = 75
K = 000
E = 250
D = 500
F = 750

Table 6

Voltage Codes
< 100 = 1
101 - 130 = 2
131 - 199 = 3
200 - 219 = 4
220 - 250 = 5
251 - 300 = 6
301 - 420 = 7
421 - 500 = 8
> 501 = 9
Dual Rating = X