Bourns® Multifuse® Product Guide

SURFACE MOUNT POLYMER PTCs

Model Series	Photo	Features	Footprint	Rated Voltage and Hold Current	Operating Temperature	Certifications
MF-ASML/X		Low Ohmic	0402 / 1005	0.1 A | 6 VDC | 0.75 A	-40 °C to +85 °C	UL, CSA, TÜV
MF-FSML/X			0603 / 1608	0.35 A | 6 - 8 VDC | 3 A		UL, CSA, TÜV
MF-PSML/X			0805 / 2012	0.75 A | 6 - 12 VDC | 4.5 A		UL, CSA, TÜV
MF-NSML/X			1206 / 3216	1.5 A | 6 - 12 VDC | 6 A		UL, CSA, TÜV
MF-USML/X			1210 / 3225	1.75 A | 6 - 12 VDC | 7 A		UL, CSA, TÜV
MF-FSHT		High Temperature	0603 / 1608	0.05 A | 12 VDC | 0.16 A	-40 °C to +125 °C	UL, CSA, TÜV
MF-PSHT			0805 / 2012	0.05 A | 12 - 16 VDC | 0.5 A		UL, CSA, TÜV, AEC-Q200
MF-NSHT			1206 / 3216	0.1 A | 12 - 30 VDC | 0.75 A		UL, CSA, TÜV, AEC-Q200
MF-USHT			1210 / 3225	0.1 A | 12 - 36 VDC | 2 A		UL, CSA, TÜV, AEC-Q200
MF-MSHT			1812 / 4532	0.2 A | 9 - 42 VDC | 1.75 A		UL, CSA, TÜV, AEC-Q200
MF-SMHT			2920 – 3425 / 7555 – 8764	1.36 A | 16 VDC | 3 A		AEC-Q200
MF-ASMF		Standard	0402 / 1005	0.05 A | 6 - 9 VDC | 0.10 A	-40 °C to +85 °C	UL, CSA, TÜV
MF-FSMF			0603 / 1608	0.1 A | 6 - 15 VDC | 0.5 A		UL, CSA, TÜV
MF-PSMF			0805 / 2012	0.1 A | 6 - 24 VDC | 1.1 A		UL, CSA, TÜV
MF-NSMF			1206 / 3216	0.05 A | 6 - 60 VDC | 2 A		UL, CSA, TÜV, AEC-Q200
MF-USMF			1210 / 3225	0.05 A | 6 - 30 VDC | 2 A		UL, CSA, TÜV, AEC-Q200*
MF-MSMF			1812 / 4532	0.1 A | 6 - 60 VDC | 3 A		UL, CSA, TÜV, AEC-Q200*
MF-SMDF			2018 / 5146	0.3 A | 10 - 60 VDC | 2.6 A		UL, CSA, TÜV
MF-LSMF			2920 / 7555	0.3 A | 6 - 72 VDC | 7 A		UL, CSA, TÜV, AEC-Q200*
MF-GSMF			3425 / 8764	3 A | 36 VDC, 3 A		UL, CSA, TÜV
MF-SM			2920 – 3425 / 7555 – 8764	0.3 A | 6 - 60 VDC | 3 A		UL, CSA, TÜV
MF-SM/250		Telecom	3425 / 8764	0.08 A | 250 VAC, 0.13 A	-40 °C to +85 °C	UL, CSA, TÜV
MF-SM/250V			Refer to Data Sheet	0.13 A | 250 VAC, 0.13 A		UL, CSA, TÜV
MF-SD/250			Refer to Data Sheet	0.13 A | 250 VAC, 0.13 A		UL, CSA

*AEC-Q200 compliant - some models

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RADIAL LEADED POLYMER PTCs

Model Series	Photo	Features	Rated Voltage and Hold Current	Operating Temperature	Certifications
MF-R		Wide selection	0.05 A — 16 - 60 VDC — 11 A	-40 °C to +85 °C	UL, CSA, TÜV, AEC-Q200*
MF-RG		Compact size	3 A — 16 VDC — 11 A		UL, CSA, AEC-Q200
MF-RX/72		High voltage	0.2 A — 72 VDC — 3.75 A		UL, CSA, TÜV
MF-RX/250		Telecom	0.12 A — 250 VAC, 0.18 A		UL, CSA, TÜV
MF-RM		Line voltage	0.05 A — 240 VAC — 0.55 A	-20 °C to +85 °C	UL, CSA, TÜV
MF-RHT		High Temperature	0.5 A — 16 - 32 VDC — 13 A	-40 °C to +125 °C	UL, CSA, TÜV, AEC-Q200
MF-RHS		High Temperature	3.5 A — 16 VDC — 13 A	-40 °C to +125 °C	UL, CSA

*AEC-Q200 compliant - some models

STRAP POLYMER PTCs

Model Series	Photo	Features	Rated Voltage and Hold Current	Operating Temperature	Certifications
MF-LR		High current	1.9 A — 10 - 20 VDC — 9 A	-40 °C to +85 °C	UL, CSA, TÜV
MF-LS		Enhanced voltage	1.8 A — 15 - 24 VDC — 3.4 A		UL, CSA, TÜV
MF-S		Enhanced voltage	1.2 A — 15 - 30 VDC — 4.2 A		UL, CSA, TÜV
MF-SVS		Low resistance	1.7 A — 10 - 16 VDC — 2.7 A		UL, CSA, TÜV
MF-VS		Low resistance	1.7 A — 16 VDC — 2.1 A		UL, CSA, TÜV
MF-VS Narrow Body		Low resistance, slim body	1.7 A — 12 VDC — 2.1 A		UL, CSA, TÜV

CUSTOMIZED POLYMER PTCs

Model Series	Photo	Features	Rated Voltage and Hold Current	Certifications
MF-D		Chip or disk form	2.5 A — 10 - 20 VDC — 12.2 A	Upon request
MF-DC		DC motor	Customized	Upon request

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