

# Bourns® Multifuse® Product Guide

## SURFACE MOUNT POLYMER PTCs

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

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## RADIAL LEADED POLYMER PTCs

Model Series	Photo	Features	Rated Voltage and Hold Current	Operating Temperature	Certifications	
<a href="#">MF-R</a>		Wide selection	0.05 A <b>16 - 60 VDC</b> 11 A	-40 °C to +85 °C	UL, CSA, TÜV, AEC-Q200*	
<a href="#">MF-RG</a>		Compact size	3 A <b>16 VDC</b> 11 A		UL, CSA, AEC-Q200	
<a href="#">MF-RX/72</a>		High voltage	0.2 A <b>72 VDC</b> 3.75 A		UL, CSA, TÜV	
<a href="#">MF-RX/250</a>		Telecom	0.12 A <b>250 VAC</b> , 0.18 A		UL, CSA, TÜV	
<a href="#">MF-RM</a>		Line voltage	0.05 A <b>240 VAC</b> 0.55 A		-20 °C to +85 °C	UL, CSA, TÜV
<a href="#">MF-RHT</a>		High Temperature	0.5 A <b>16 - 32 VDC</b> 13 A		-40 °C to +125 °C	UL, CSA, TÜV, AEC-Q200
<a href="#">MF-RHS</a>		High Temperature	3.5 A <b>16 VDC</b> 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
<a href="#">MF-LR</a>		High current	1.9 A <b>10 - 20 VDC</b> 9 A	-40 °C to +85 °C	UL, CSA, TÜV
<a href="#">MF-LS</a>		Enhanced voltage	1.8 A <b>15 - 24 VDC</b> 3.4 A		UL, CSA, TÜV
<a href="#">MF-S</a>		Enhanced voltage	1.2 A <b>15 - 30 VDC</b> 4.2 A		UL, CSA, TÜV
<a href="#">MF-SVS</a>		Low resistance	1.7 A <b>10 - 16 VDC</b> 2.7 A		UL, CSA, TÜV
<a href="#">MF-VS</a>		Low resistance	1.7 A <b>16 VDC</b> 2.1 A		UL, CSA, TÜV
<a href="#">MF-VS Narrow Body</a>		Low resistance, slim body	1.7 A <b>12 VDC</b> 2.1 A		UL, CSA, TÜV

## CUSTOMIZED POLYMER PTCs

Model Series	Photo	Features	Rated Voltage and Hold Current	Certifications
<a href="#">MF-D</a>		Chip or disk form	2.5 A <b>10 - 20 VDC</b> 12.2 A	Upon request
<a href="#">MF-DC</a>		DC motor	Customized	Upon request

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