

POMISTECH EMI SUPPRESSION FILTER

OVERVIEW: Multilayer chip EMI Filter has balanced impedance for superior filtering of radiated and conducted common-mode EMC noise. Terminal arrangement allows multiple connection options of this low ESL component for single-ended (power bypass) noise reduction applications.

PART NUMBER: P08M0115B100MN

P08M	0115	B	100	M	N
Size 0805 (2012)	SRF 115 MHz	TC +/- 15%	Voltage 100 VDC	Cap. Tol ±20%	Terminal Standard

CHARACTERISTICS:

Case Size	0805 EIA (2012 Metric)
SRF	115MHz
Inductance:	56pH power bypass, 212pH dual-line EMI filter
Capacitance:	10nF (x 2)
Rated Voltage:	100 VDC
Temperature Coefficient:	±15% (-55 to +125°C)
Dissipation Factor:	≤ 2.5% (0.025)
Insulation Resistance:	IR> 500 Ω·F or 10GΩ whichever is less Measurement at 25°C, WVDC, time is 2 minutes max.
Dielectric Strength:	2.5XWVDC, 25°C, 50mA max.
Capacitance Aging:	≤ 2.5%/decade hour
Test Conditions:	1kHz±50Hz; 1.0±0.2VRMS

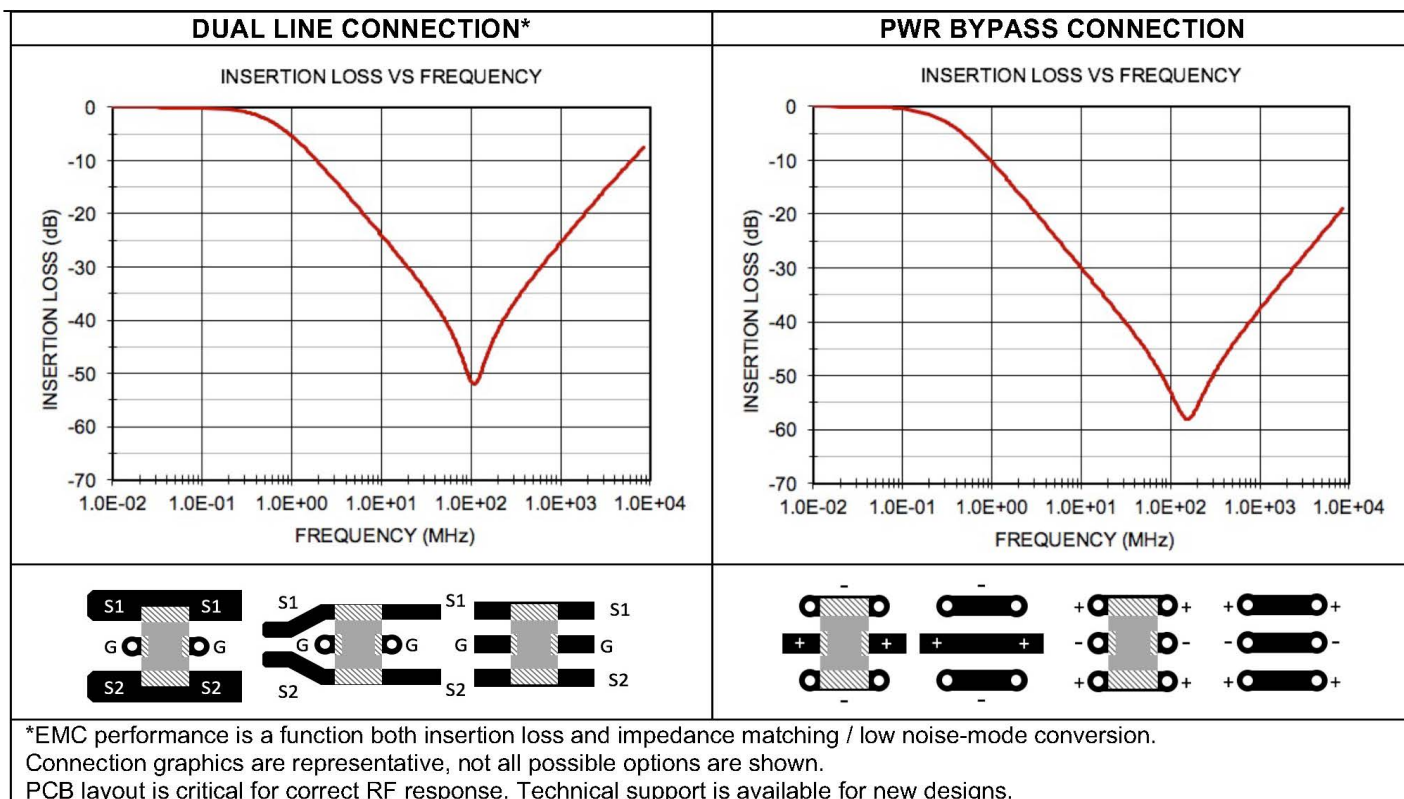
PHYSICAL SIZE:

SIZE	IN	(mm)
L	.080 ± .008	2.032± .203
W	.050 ± .008	1.27 ± .203
T	.040 max.	1.016 max.
EB	.012 ± .008	.305 ± .203
CB	.022 ± .005	.559 ± .127
WB	.006 ± .004	.152 ± .100

ENVIRONMENTAL

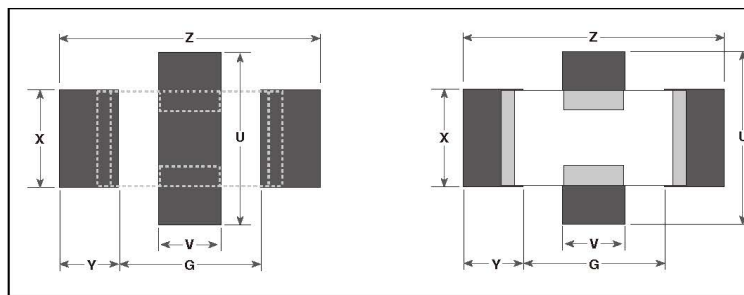
Meets Rohs & Reach directives	MSL Rating: 1
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EMI FILTER INSERTION LOSS

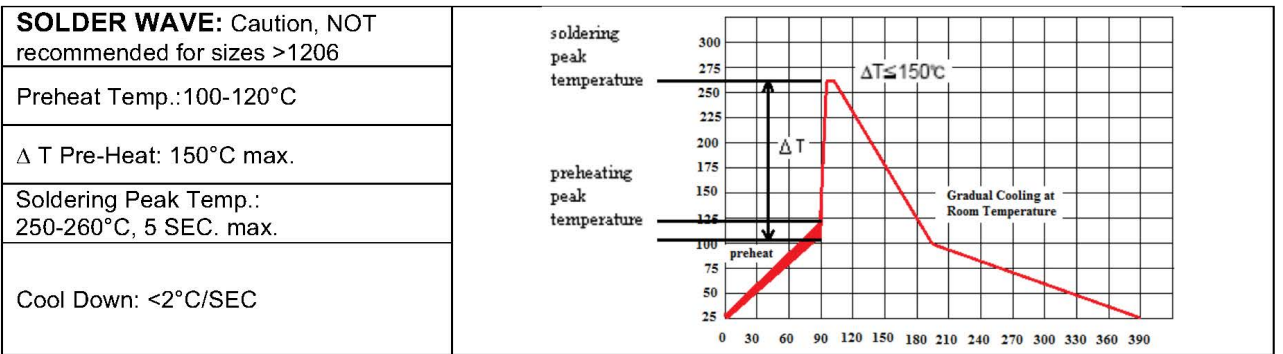
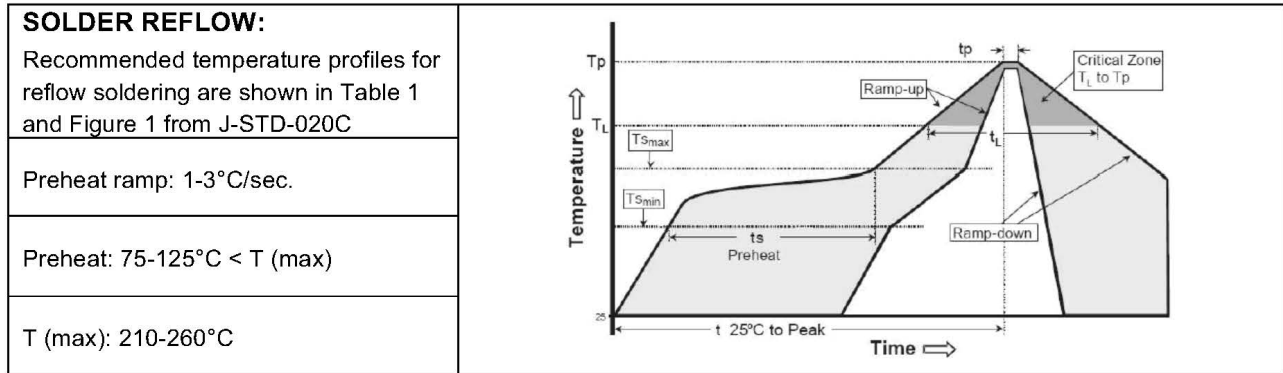


SOLDER PAD RECOMMENDATIONS:

SOLDER REFLOW		
	IN	mm
X	0.050	1.270
Y	0.035	0.890
G	0.050	1.270
V	0.022	0.559
U	0.080	2.032
Z	0.120	3.050



SOLDER PROCESS RECOMMENDATIONS:



SOLDERING IRON: NOT SUPPORTED for use in mass production Not recommended for lab proto-typing, use solder reflow, hot-air tool, or conductive epoxy to avoid thermal damage and compromised test results. If Iron is used, follow below precautions:
<ul style="list-style-type: none"> Preheat circuit and capacitors to within 100° C of soldering temperature No contact of iron tip with component 20 watt iron output (max) 350° C tip temperature (max) 1.0 mm tip diameter (max) Limit soldering time to 3 sec. (max)

PACKAGING SPECIFICATIONS

Specification EIA standard 481

PART SIZE	7" REEL QTY
0805 (2012)	4,000

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