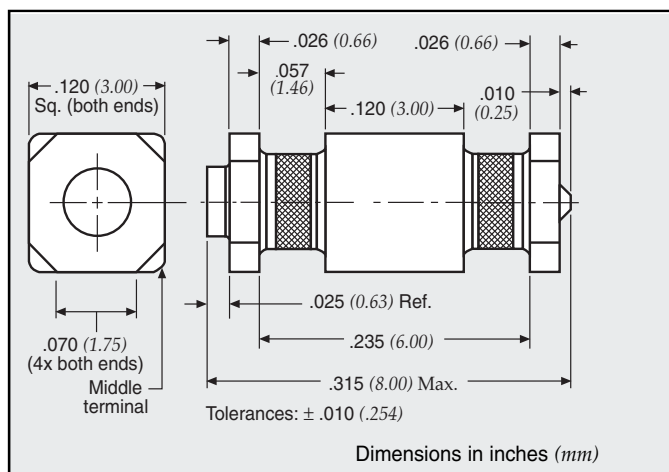


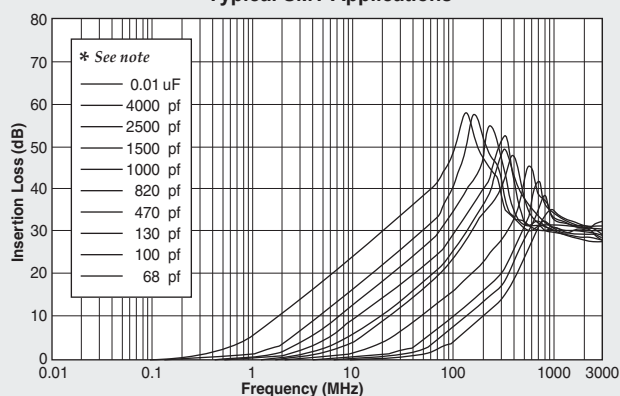
Power Surface Mount Filters



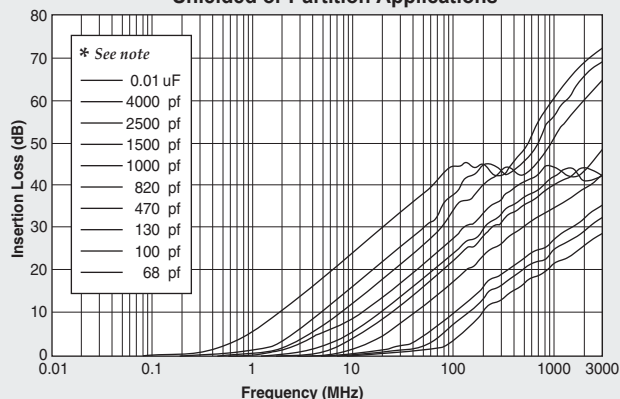
Parameter	Value
Voltage Rating DC	200 VDC @ -55°C to +125°C
DWV	700 VDC
Current Rating	20 Amps (Feed-through) max. 10 Amps (Pi) max.
Insulation Resistance	1.0 GΩ @ 25°C
D.C.R.	Max. 0.0005Ω, typ. 0.0002Ω

Feed-Through Insertion Loss

Typical SMT Applications

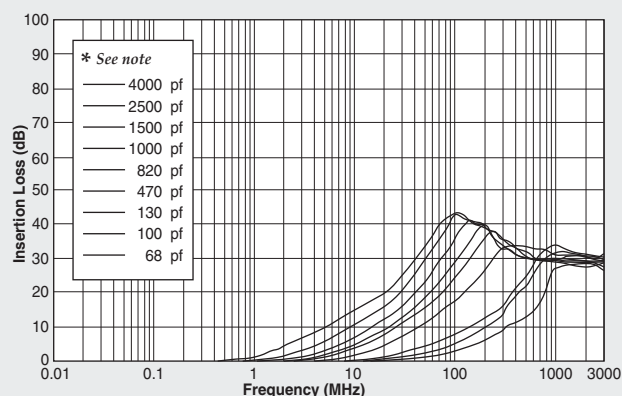


Shielded or Partition Applications

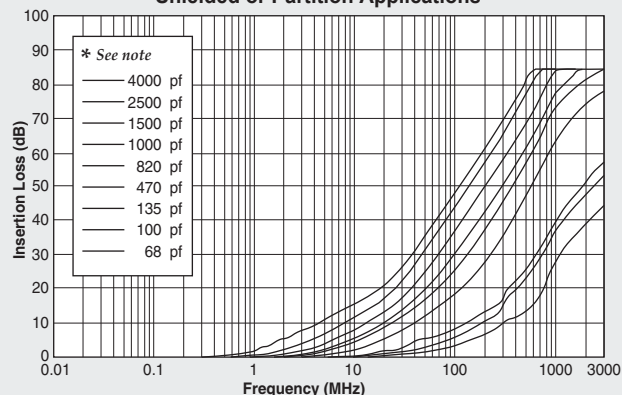


Pi Insertion Loss

Typical SMT Applications



Shielded or Partition Applications



Power Surface Mount Filters

PSM Ordering Information

Example: PSM4-402Z-20T0

PSM

Style

PSM (Power)

4

Circuit Configuration

1 - Pi
4 - Feedthrough

-

402Z

Capacitance

Code	Value*	Tolerance
680M	68 pF	±20%
101M	100 pF	±20%
102M	1000 pF	±20%
252P	2500 pF	+100/-0%
402Z	4000 pF	+80/20%
103Z**	.01 μF	+80/-20%

*Other capacitance values available as special order.
**Available in feedthrough circuit only.

-

20

Current Rating

10 - 10 Amps (Pi)
20 - 20 Amps (Feedthrough)

T

Packaging

T - Tape and reel packaging
B - Bulk packaging

0

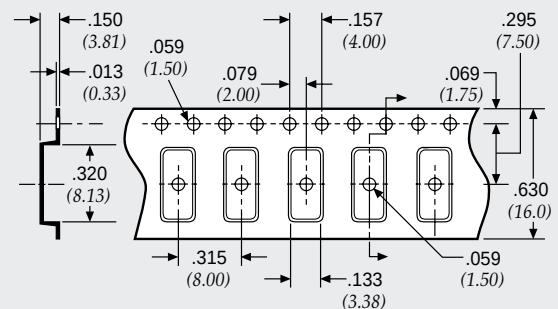
Tape and Reel

0 - 500 pieces
Note: Tape and reel packaging - 500 pieces (7")

Technical Notes

- Soldering recommendations supplied upon request
- Reflow temperature limit is 260°C
- Unit weight is approximately 0.4 grams

PSM Tape and Reel Packaging



Dimensions in inches (mm)

PSM Recommended Board Pattern



Solder paste pattern
Recommended pad, must be able to support continuous signal current



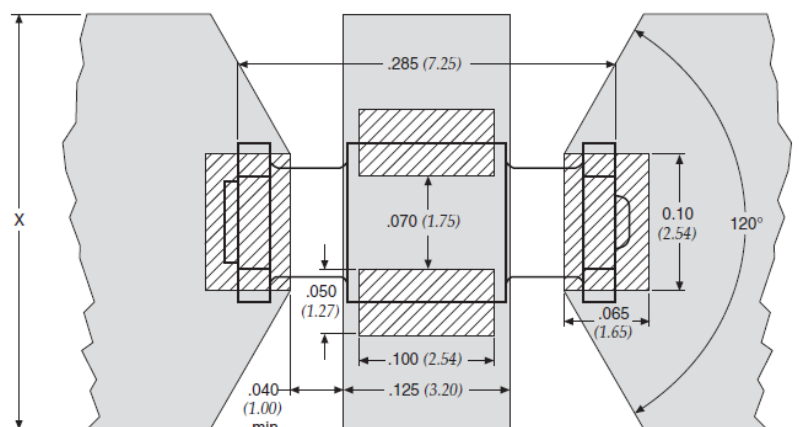
20 Amps Feedthrough

X = 0.350" minimum for 1 oz. copper
(0.036 mm thickness)

X = 0.200" minimum for 2 oz. copper
(0.071 mm thickness)

10 Amp Pi

X = 0.130" minimum for 1 oz. copper
(0.036 mm thickness)



Dimensions in inches (mm)