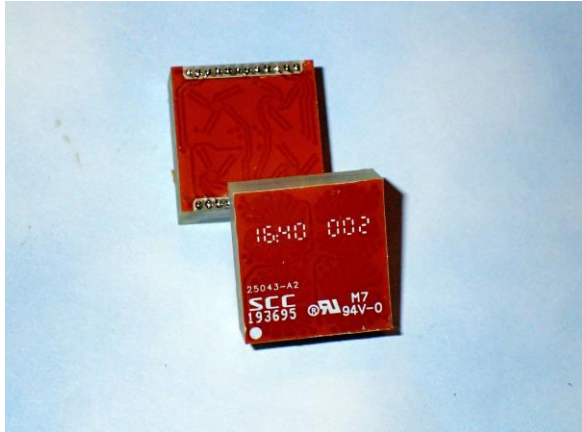


10 Gigabit Ethernet Media Filter



Features

- Footprint compatible with wire-wound modules
- 1500V Isolation, Primary to Secondary
- Ball-grid I/O pads
- ROHS compliant
- > 120 uH OCL, 100 MHz

Weight: ≤ 2 g.

Operating Temperature: 0°C to +70°C

Storage Temperature: -55°C to +125°C

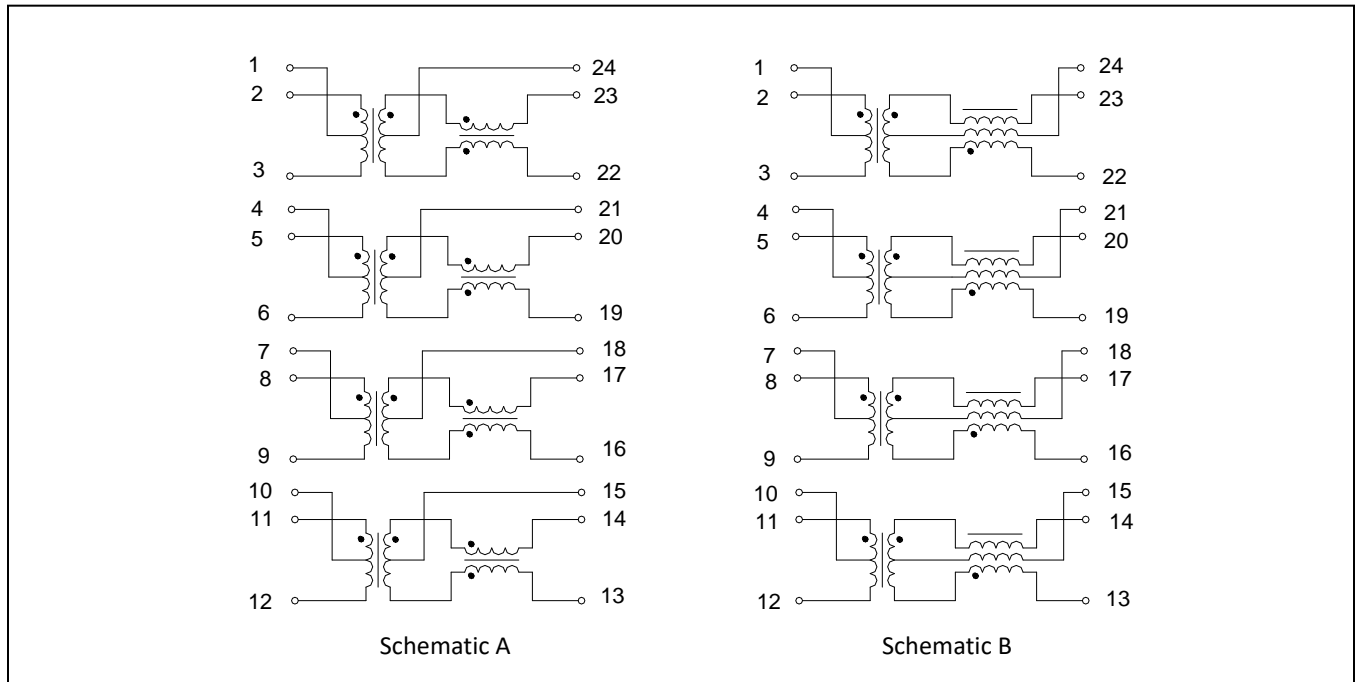
SMT Soldering Temperature: Max 3 reflows at 265°C for 20 seconds.

Packaging: 40 units per SMT feed tube

Performance at 25°C

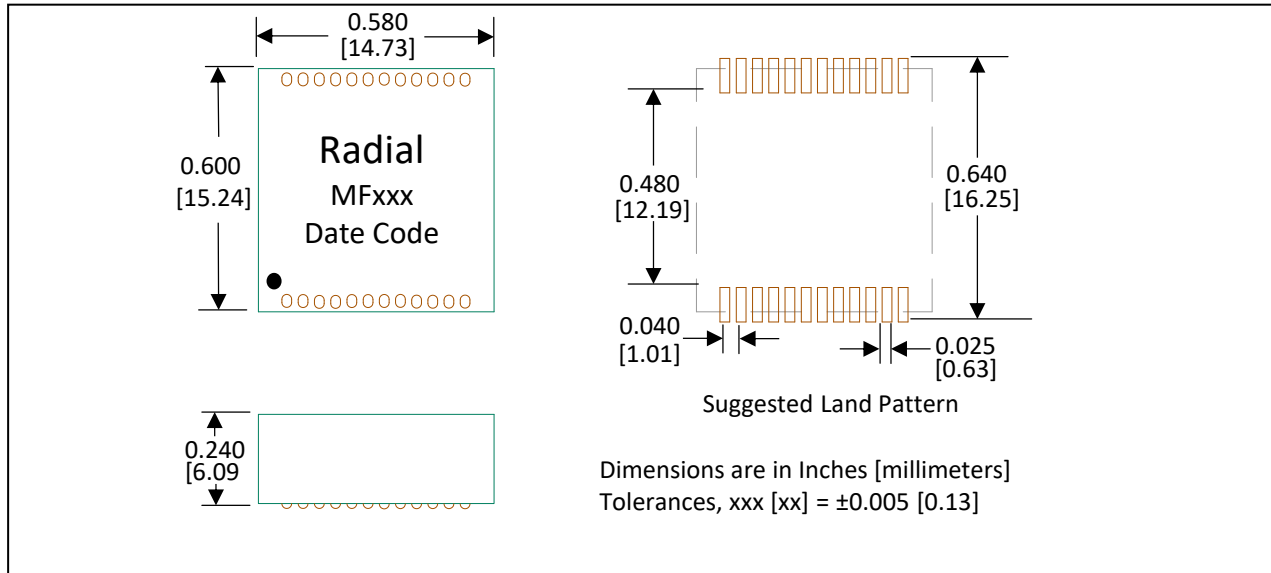
Part Number	Schema tic	Insertion Loss Max. dB		Return Loss Max. dB				Common to Differential Rejection, dB Min		Crosstalk , dB Max. 1-500 MHz	Inductance uH Series Mode 100 mV, 0, DC bias
		1-100 MHz	100-400 MHz	1-100 MHz	100-200 MHz	200-400 MHz	400-500 MHz	10-200 MHz	200-500 MHz		
MF043	A	-1.5	-2.5	-14	-10	-8	-6	-30	-20	-30	> 120
MF048	B	-1.5	-2.5	-14	-10	-8	-6	-30	-20	-30	> 200

Schematic



10 Gigabit Ethernet Media Filter

Package Dimensions



Notes:

1. ROHS Compliant
2. UL 94V-0 Flammability Rating
3. Storage Temperature -55°C to +125°C
4. Compliance to J-STD
 - a. J-STD-002; solderability at 245°C reflow solder profile
 - b. J-STD-020; Level 1, No moisture sensitivity
 - c. J-STD-075; 245°C maximum through reflow solder profile

