

Multilayer Organic (MLO®) Technology Product Specification



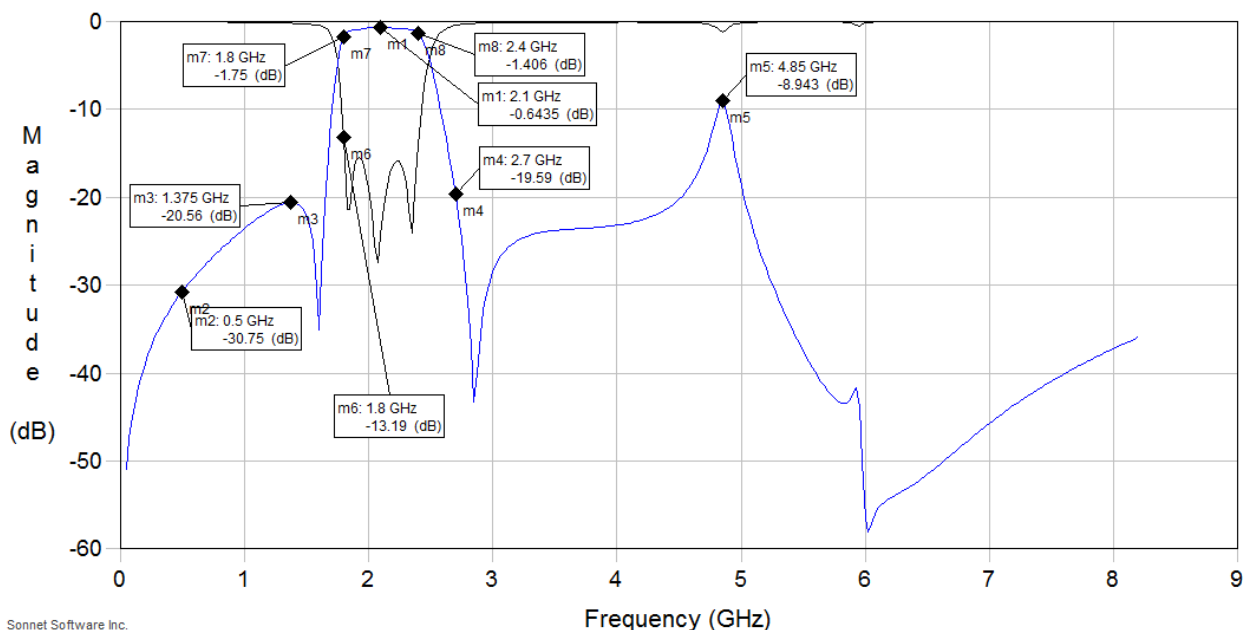
Band Pass Filter	MLXX8003	Preliminary	04/02/2018
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HOW TO ORDER

Ordering Part Number	Packaging Type	Package Multiples (Pieces)
MLXX8003	Waffle Pack	1 or more
MLXX8003\250	Tape and Reel	250
MLXX8003\1K	Tape and Reel	1000

ELECTRICAL SPECIFICATIONS

Parameter	Min	Typical	Max	Unit
Pass Band				
1800 - 2400 MHz		-1.8		dB
2100 MHz	-1.2	-0.6		dB
Rejection				
500 - 1600 MHz		-20	-15	dB
2700 - 4000 MHz		-20		dB
Return Loss				
1500 - 2100 MHz		-13		dB
Size				
7mm x 4mm x 0.60mm				



Preliminary

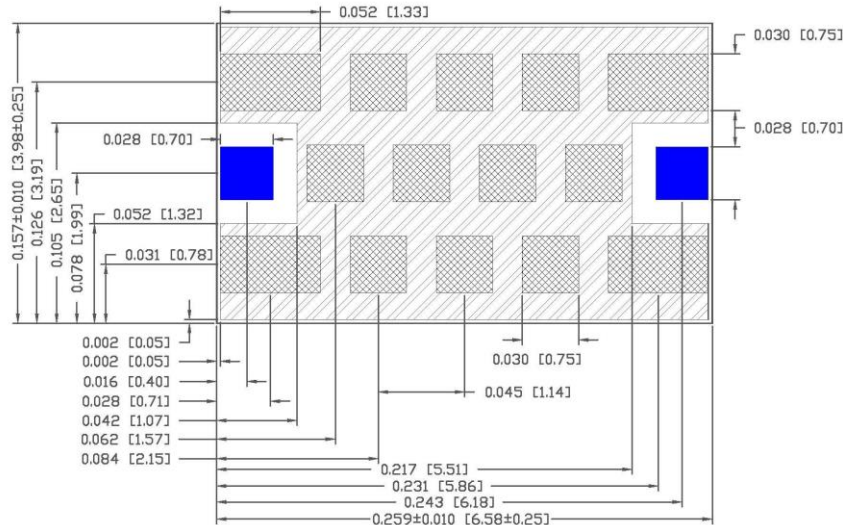


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MECHANICAL DIMENSIONS inches (mm)

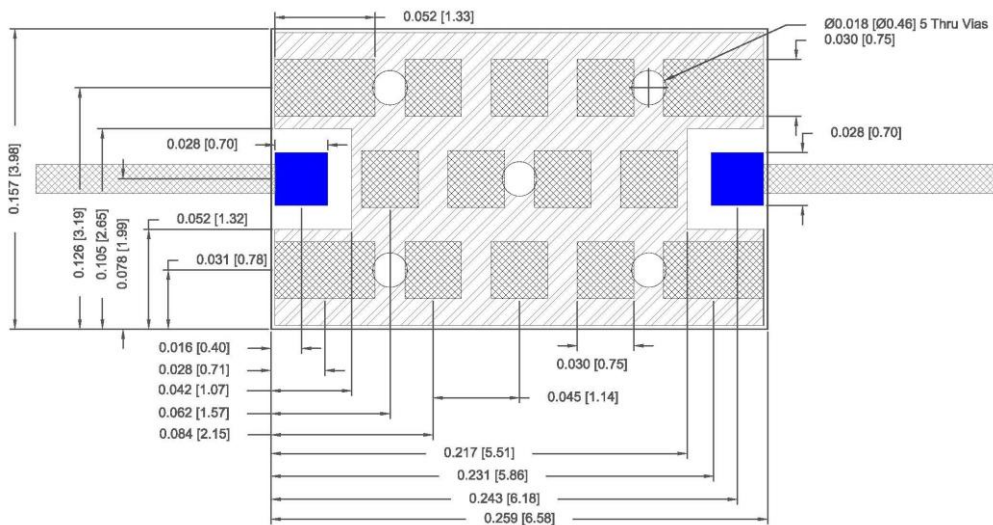
FOOTPRINT A DEVICE LAYOUT



Dimensions in inches [mm]

Tolerances are +/-0.002 [0.05], unless noted.

All contact areas are gold plated, including I/O pads.



Dimensions in inches [mm].

I/O pads are not shorted to ground.

DXF Files available upon request.

Line width should be designed to match 50 ohm characteristic impedance, depending on PCB material and thickness.

Grounding is solid copper under solder mask, with solder mask defined pads for ground openings.

QUALITY INSPECTION

Finished Parts are 100% electrically tested

TERMINATION

All finishes are compatible with automatic soldering technologies: Pb free reflow, wave soldering, vapor phase, and manual soldering.

OPERATING TEMPERATURE

-55°C to +85°C

