

MAFL-008070-CL0AD0



CATV MoCA Low Pass Filter
50 - 870/ 975 - 1525 MHz

M/A-COM Products
Released - Rev. V2

Features

- 75 Ohm
- SMT unit
- RoHS Compliant

Description

- M/A-COM's MAFL-008070-CL0AD0 is a surface mount Low-Pass Filter unit designed for MoCA applications.

Ordering Information

Part Number	Package
MAFL-008070-CL0AD0	SM-173
MAFL-008080-CL0ATB	Customer Evaluation Board

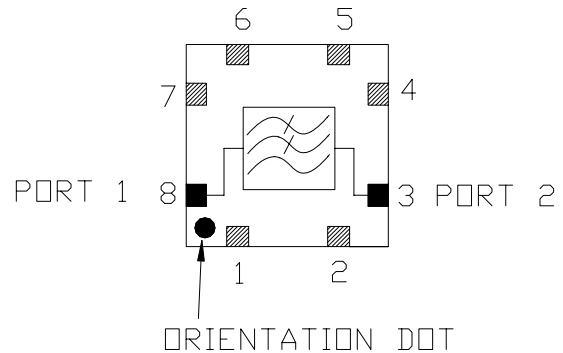
Product Image



Pin Configuration

Function	Pin Number
Port 1	8
Port 2	3
Ground	1, 2, 4-7
Not connected	-

Functional Schematic



Electrical Specifications: $T_A = 25^\circ\text{C}$, $Z_0 = 75\Omega$

Parameter	Units	Typ	Min	Max
Insertion Loss 50-750MHz	dB	0.75	-	1
Insertion Loss 750-870MHz	dB	1.8	-	2
Stopband Rejection 975-1525MHz	dB	34	30	-
Stopband Rejection 1790-2100MHz	dB	30	25	-
Input Return Loss 50-870MHz	dB	13	12	-

Absolute Maximum Ratings

Parameter	Absolute Maximum
Storage Temperature	-40°C to +85°C
Operating Temperature	-40°C to +85°C
DC Current	30mA
RF Power	250mW

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ADVANCED: Data Sheets contain information regarding a product M/A-COM is considering for development. Performance is based on target specifications, simulated results, and/or prototype measurements. Commitment to develop is not guaranteed.

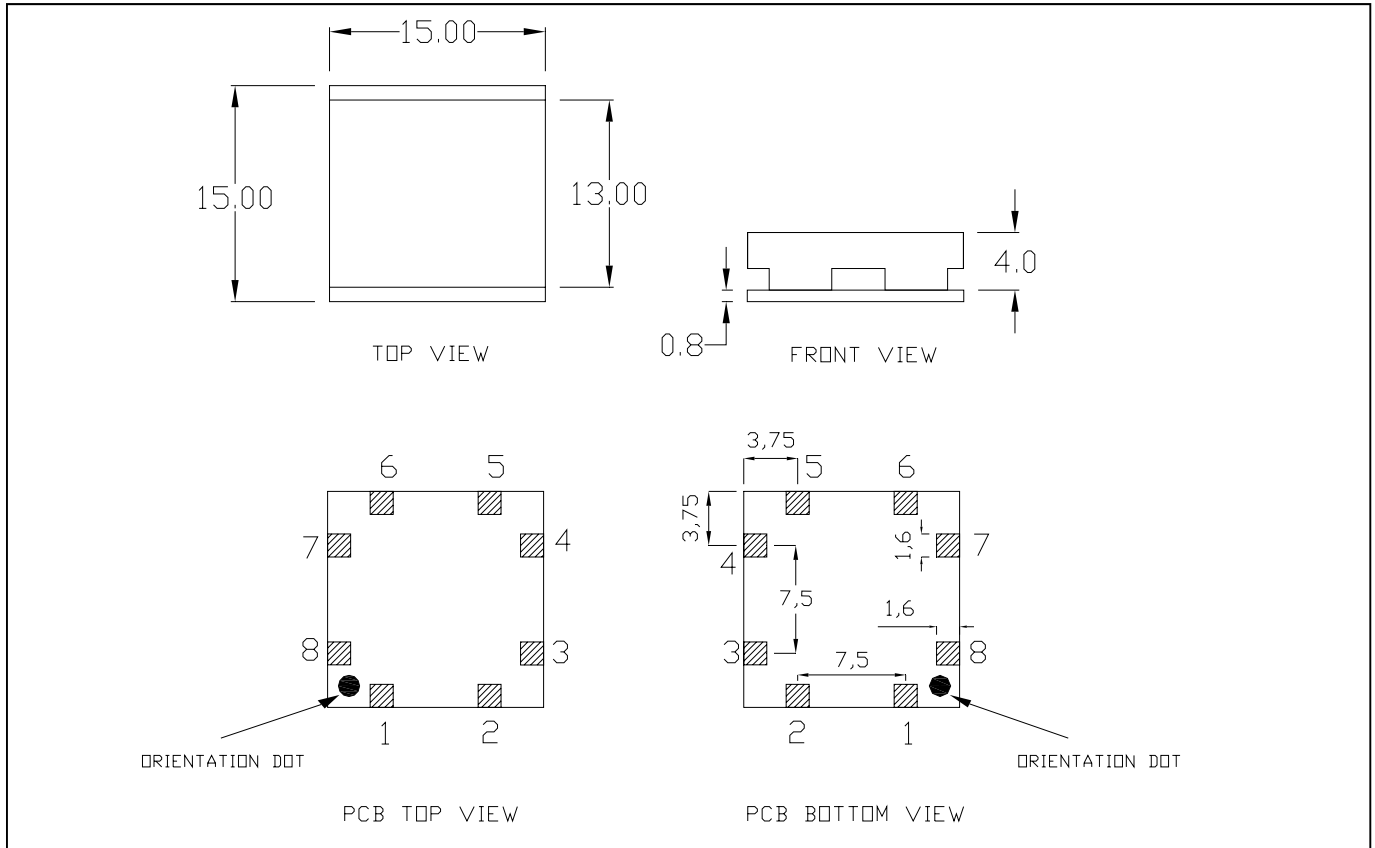
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- **Europe** Tel: 44.1908.574.200 / Fax: 44.1908.574.300
- **Asia/Pacific** Tel: 81.44.844.8296 / Fax: 81.44.844.8298

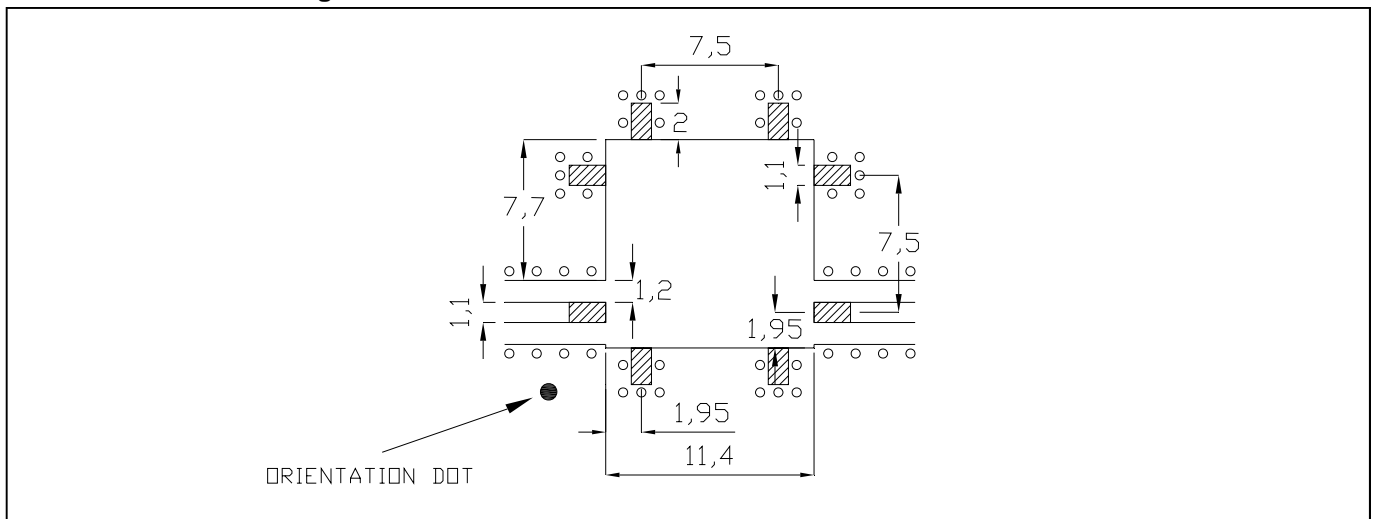
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Outline Drawing: SM-173



Recommended PCB Configuration



* Dimensions are millimeters ± 0.1 unless otherwise specified.

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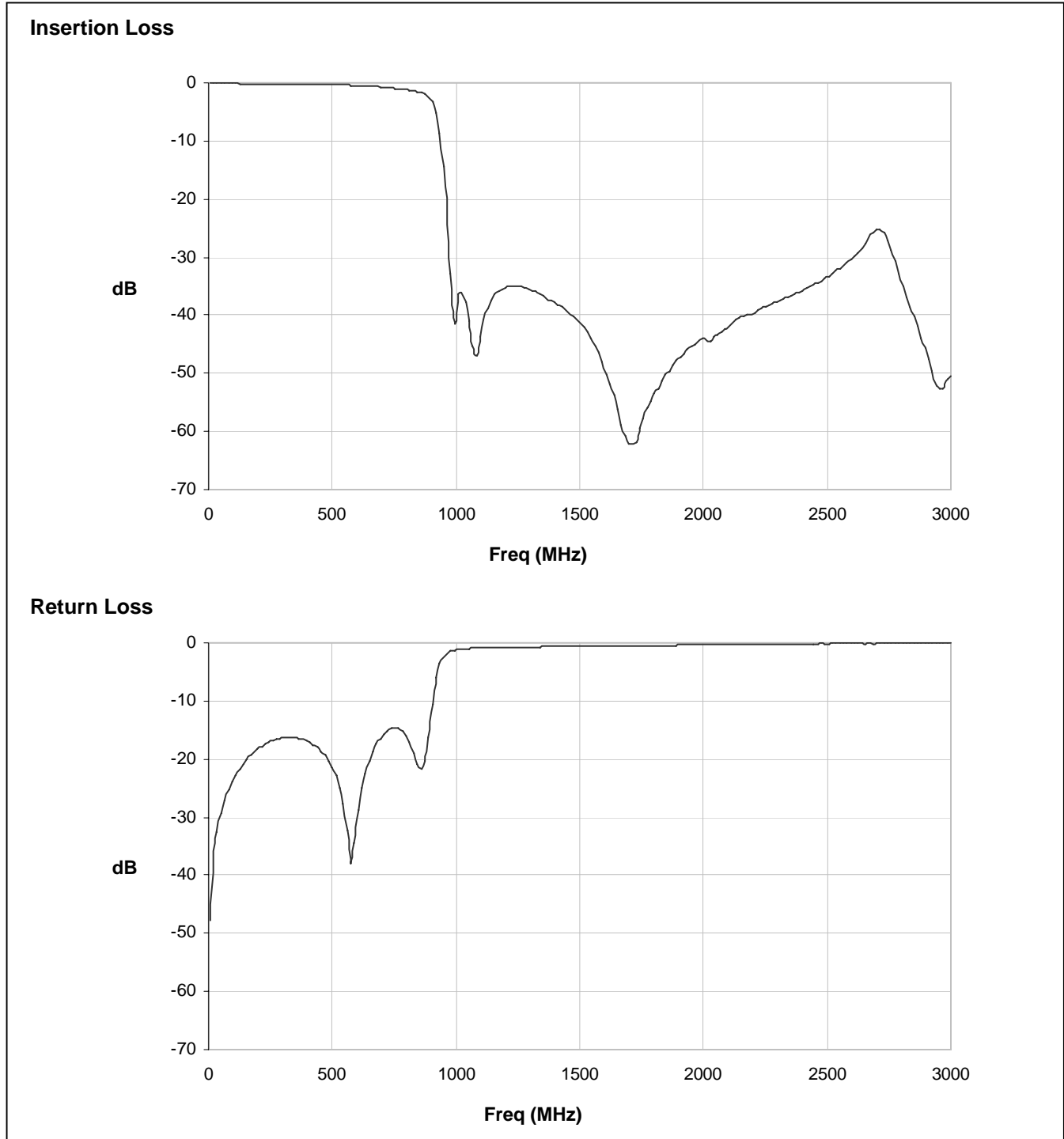
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Typical Performance Curves at +25°C



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