MAFL-009906-CL0AD0

MoCA Low Pass Filter 5 –1550 MHz

Features

- Surface Mount
- 75 Ohm
- RoHS* Compliant
- Pb Free
- MoCA Application

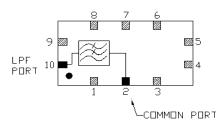
Description

M/A-COM Technology Solutions' MAFL-009906-CL0AD0 is a surface mount Low Pass Filter unit designed for MoCA applications.

Product Image



Functional Schematic



Electrical Specifications: Z0 = 75Ω, TA = 25°C

Parameter	Units	Min	Тур	Max
Common to Low				
Insertion Loss				
5 - 42 MHz	dB	-	0.05	0.15
42 - 860 MHz	dB	-	0.6	0.8
860 -1002 MHz	dB	-	1.5	1.7
Rejection				
1130 - 1550 MHz	dB	30	32	-
Common Port Return Loss				
5 - 600 MHz	dB	13	15	-
600 - 950 MHz	dB	11	13	-
950 - 1002 MHz	dB	12	14	-
Common port voltage transient	V	-	_	200

Recommended Maximum Ratings

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Parameter	Value
Storage Temperature	-40C to +85°C
Operating Temperature	40C to +85°C
DC Current	30mA
RF Power	+23.9dBm(250mW)
Transient Voltage	200V

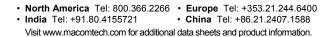
Pin Configuration

Function	Pin Number
Common Port (Input)	2
Low Pass Port (Output)	10
Ground	1 - 5, 6 - 9
Not connected	-

* Restrictions on Hazardous Substances, European Union Directive 2002/95/EC.

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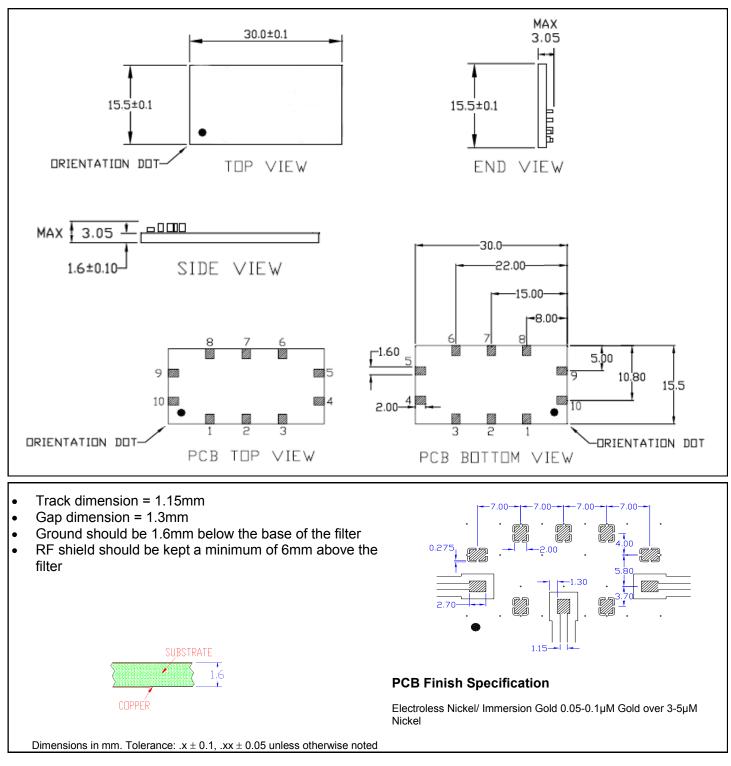
Rev. V3

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Recommended PCB Configuration



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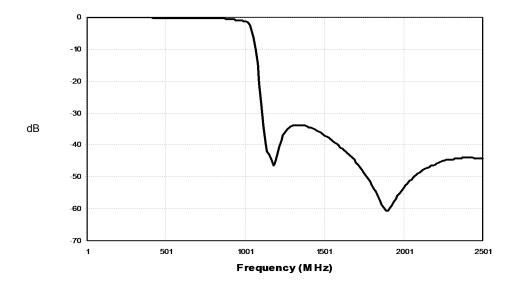
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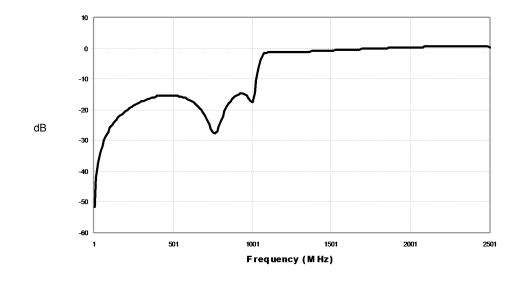
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Typical Performance Curves $Z_0 = 75\Omega$, $T_A = 25^{\circ}C$

Low Pass Insertion Loss



Common Port Return Loss



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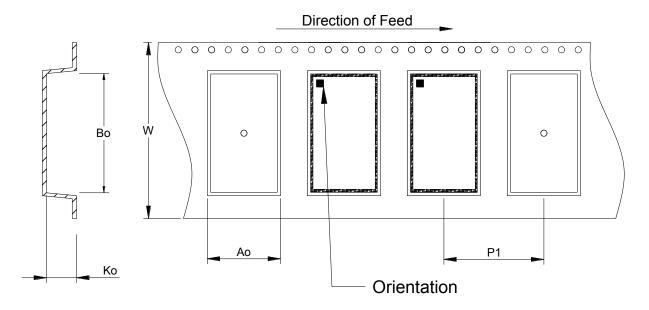
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Packaging



ltem	Dimension
Ao	15.80mm +/- 0.1mm
Во	30.30mm +/- 0.1mm
Ko	3.40mm +/- 0.1mm
W	44.00mm +/- 0.3mm
P1	24.00mm +/- 0.1mm

Ordering Information

Part Number	Package
MAFL-009906-CL0AD0	500 Piece Reel

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