

Features:

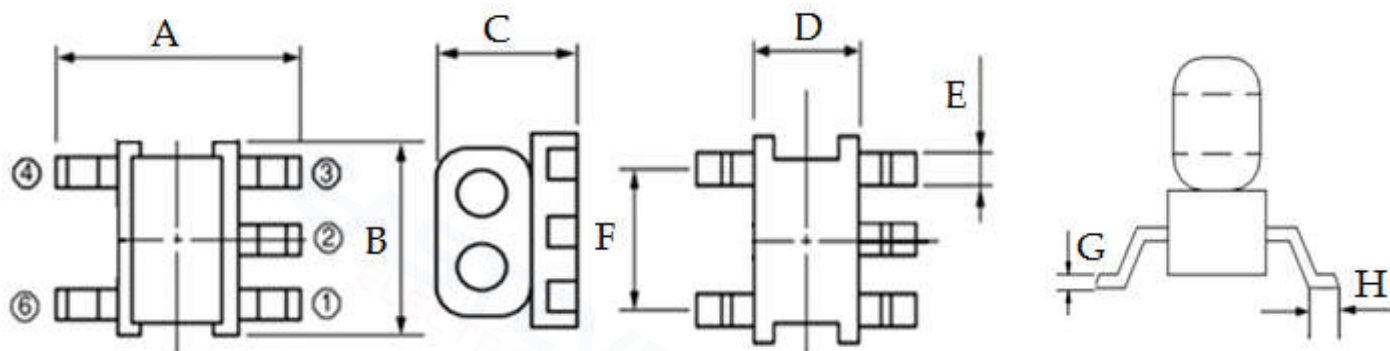
- ◆ Equivalent to: MACP-011038
- ◆ Transmission loss: 1.00dBMax, Nominal Coupling: 16.0dB Typ
- ◆ Surface mount and available in tape and reel
- ◆ 260°C reflow compatible
- ◆ RoHS Compliant and Pb free
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



Applications:

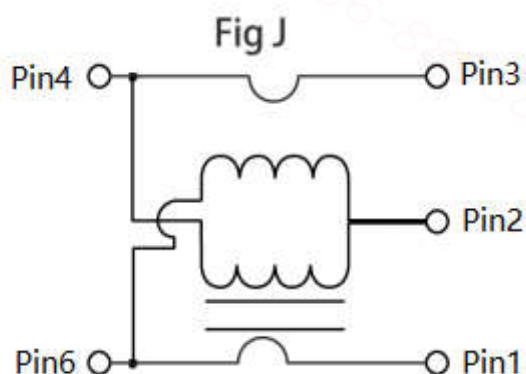
- ◆ For catv
- ◆ For broadband and wireless communications

Dimension diagram (Unit:mm) :

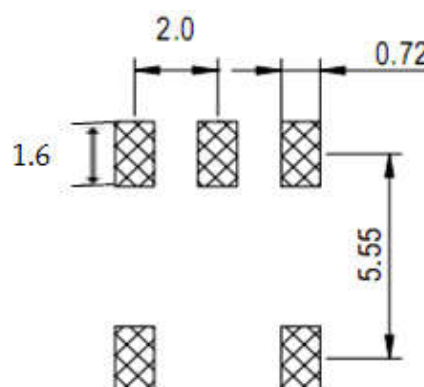


A=6.2±0.2 B=6.0±0.2 C=4.3±0.2 D=4.0±0.2 E=0.6±0.1 F=4.0±0.1 G=0.25±0.1 H=0.5±0.1

Electrical structure:



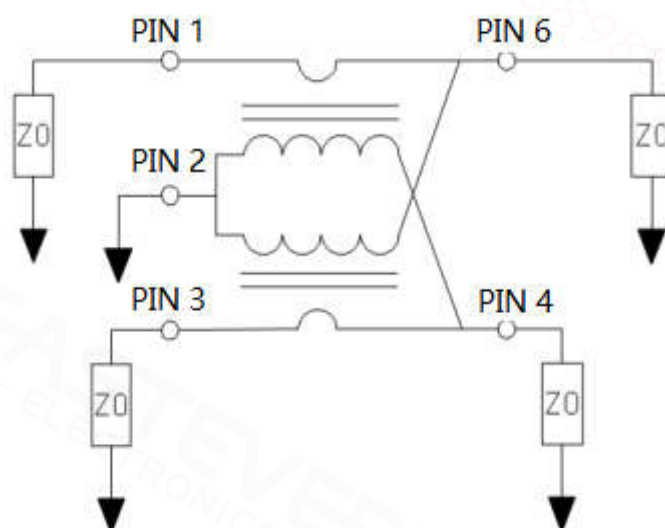
Recommended layout(mm):



Pin configuration:

Pin No.	Function
1	Input
2	Ground
3	Coupled
4	Isolated
6	Output

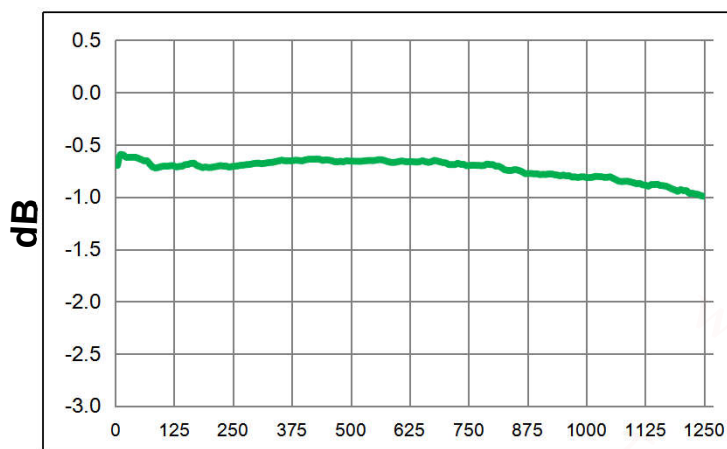
Application circuit :



Electrical Specifications:

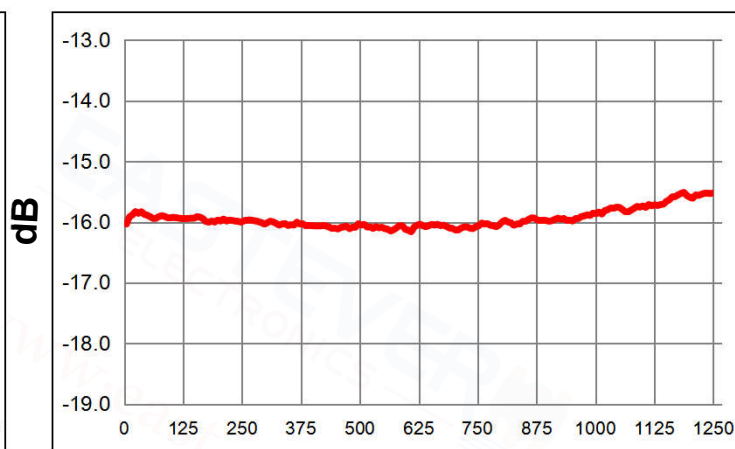
Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss	5-1250MHz	dB	0.3	0.6	1.5
Coupling	5-1250MHz	dB	15.2	16.0	16.8
Input Return Loss	5-1250MHz	dB	16.0	24.0	-
Output Return Loss	5-1250MHz	dB	16.0	26.0	-
Coupling Return Loss	5-1250MHz	dB	16.0	24.0	-
Isolation	5-1250MHz	dB	20.0	45.0	-

Main line Loss(pin1-6):



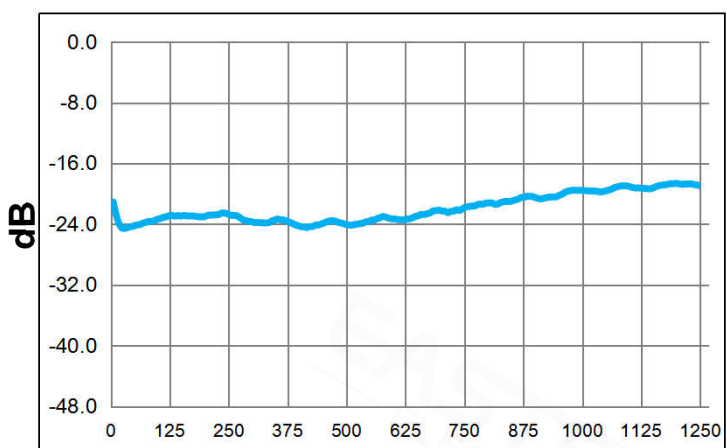
Frequency(MHz)

Coupling(pin1-3):



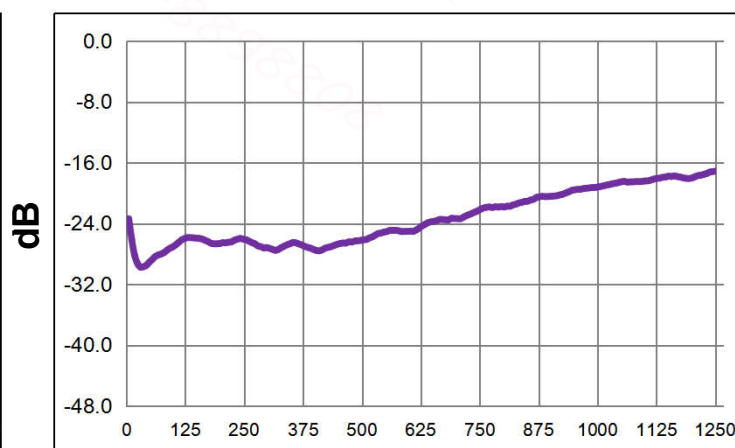
Frequency(MHz)

Input Return Loss (Pin1)



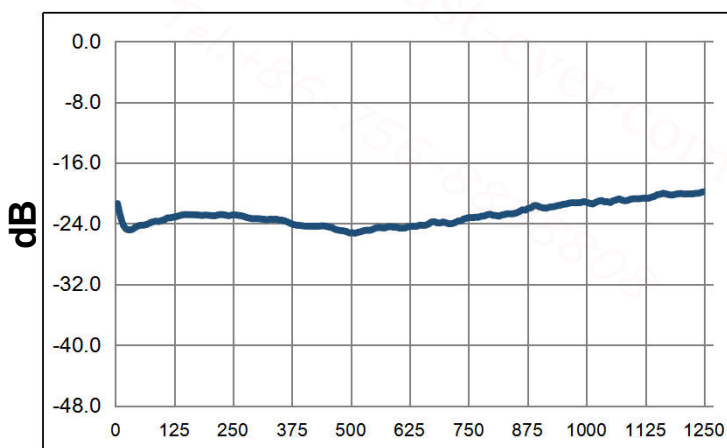
Frequency(MHz)

Output Return Loss (Pin6)



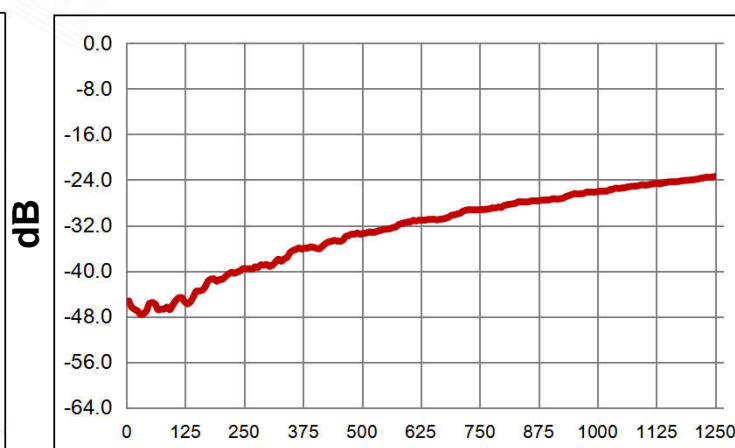
Frequency(MHz)

Coupling Return Loss (Pin3)



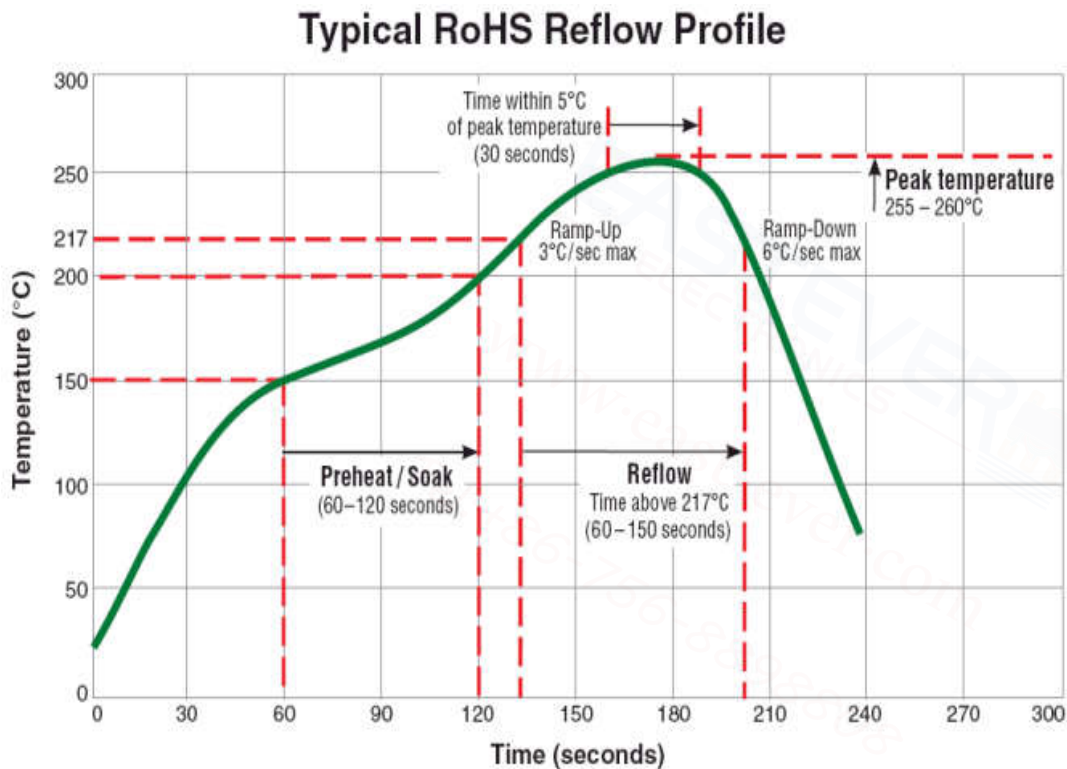
Frequency(MHz)

Isolation (Pin1-4)

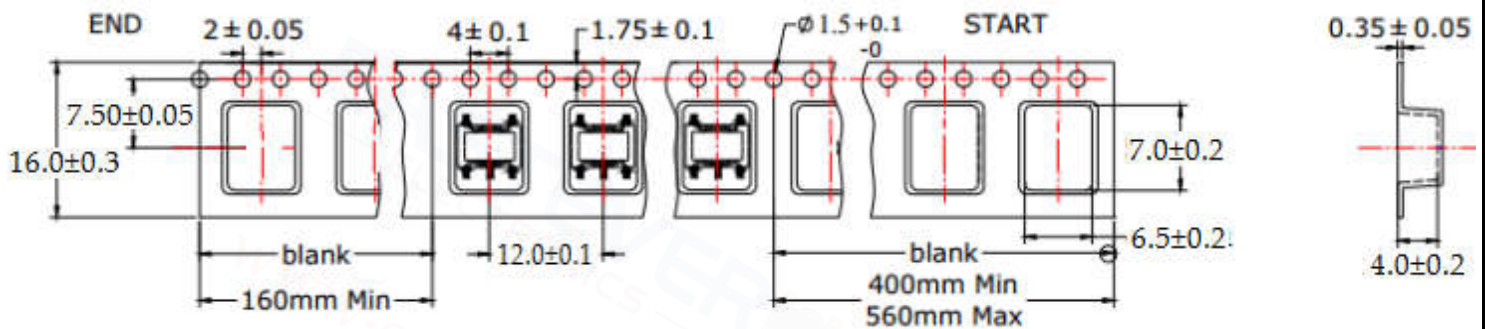


Frequency(MHz)

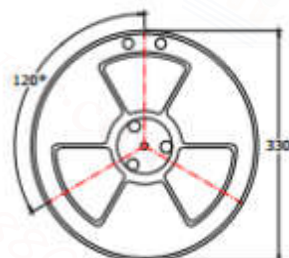
Recommended Soldering Temperature Graph:



Packaging Dimension For Caeier Tape(UNIT:mm):



QUANTITY
1000PCS/Reel
3Reels/Middle Carton Middle Carton:
4 Middle Cartons/Big Carton
12000PCS/ Big Carton



SPEC	8	12	16	24
DIM A±0.1	8.5	12.5	16.5	24.5
DIM B±0.1	2.3	2.3	2.3	2.3
DIM C±0.1	100	100	100	100

