

Features:

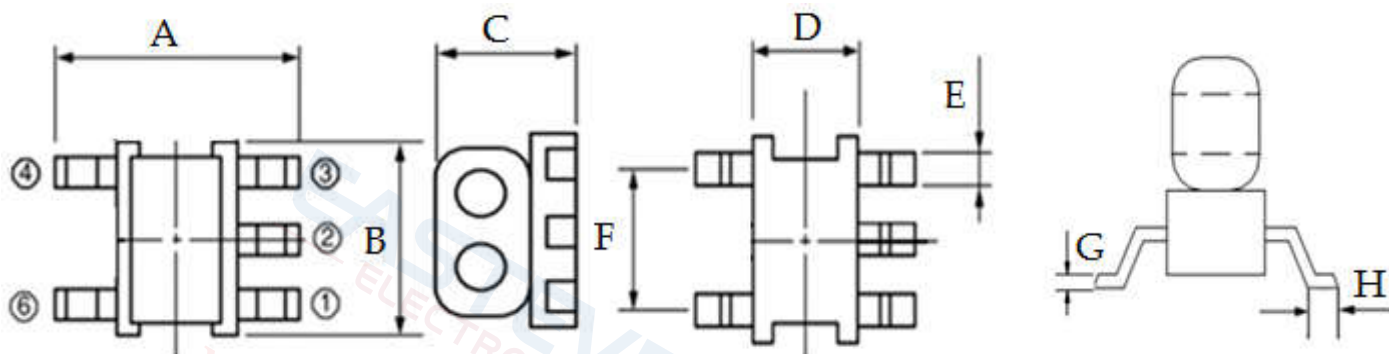
- ◆ Equivalent to: MACP-011038
- ◆ Transmission loss: 1.00dBMax, Nominal Coupling: 16.0dB Typ
- ◆ Surface mount and available in tape and reel
- ◆ 260°C reflow compatible
- ◆ RoHS Compliant and Pb free
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



Applications:

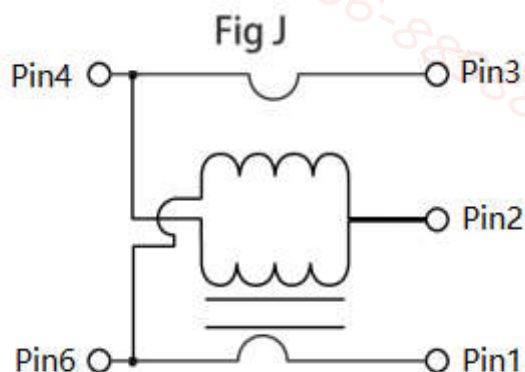
- ◆ For catv
- ◆ For broadband and wireless communications

Dimension diagram (Unit:mm) :

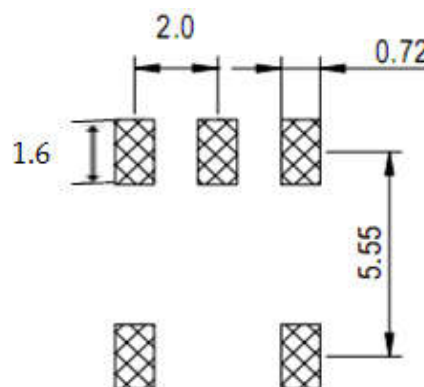


A=6.2±0.2 B=6.0±0.2 C=4.3±0.2 D=4.0±0.2 E=0.6±0.1 F=4.0±0.1 G=0.25±0.1 H=0.5±0.1

Electrical structure:

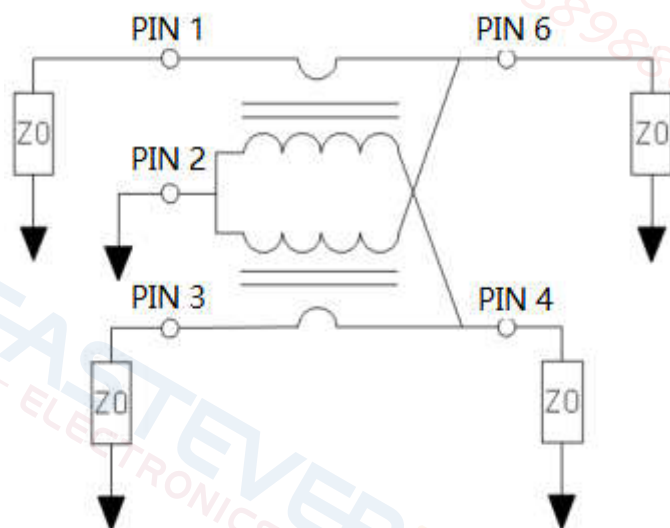


Recommended layout(mm):



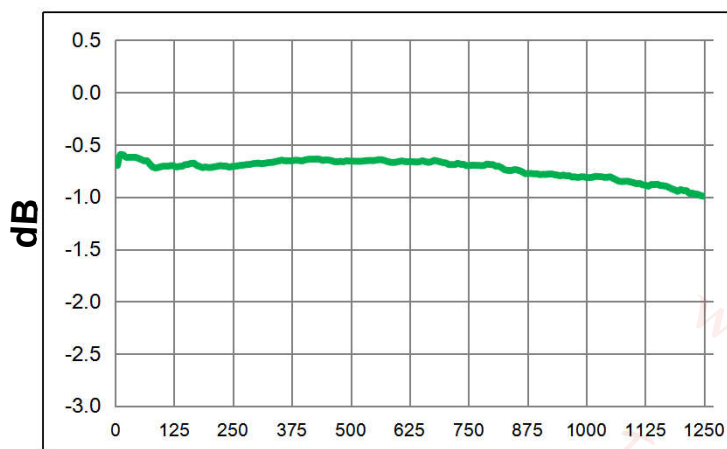
Pin configuration:

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

Application circuit :**Electrical Specifications:**

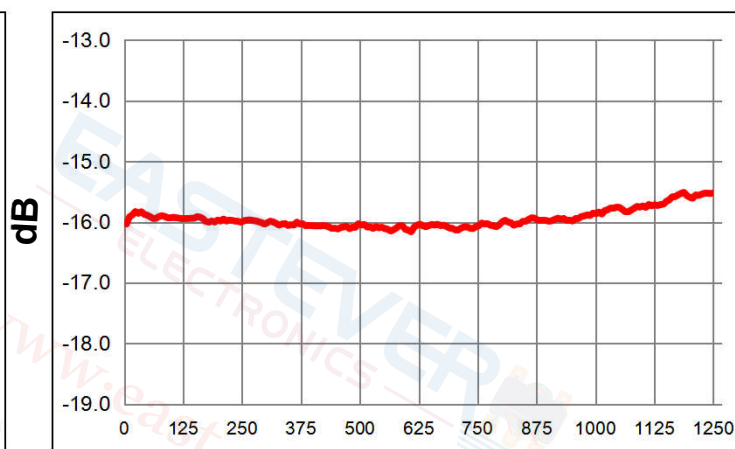
| Parameter | Test Conditions | Units | Min | Typ | Max |
|----------------------|-----------------|-------|------|------|------|
| Main line Loss | 5-1250MHz | dB | 0.3 | 0.6 | 1.5 |
| Coupling | 5-1250MHz | dB | 15.2 | 16.0 | 16.8 |
| Input Return Loss | 5-1250MHz | dB | 16.0 | 24.0 | - |
| Output 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):



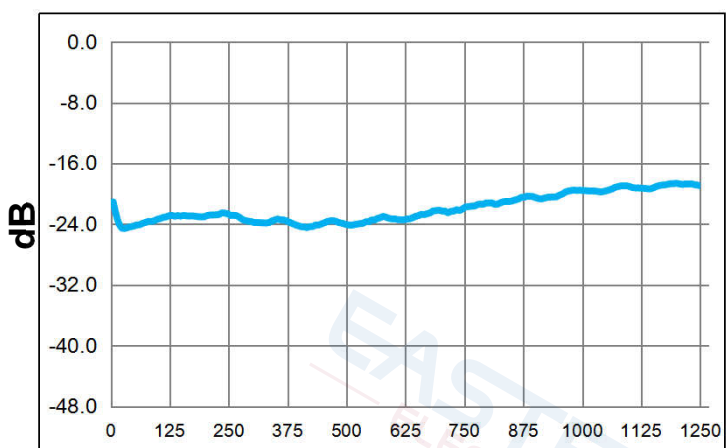
Frequency(MHz)

Coupling(pin1-3):



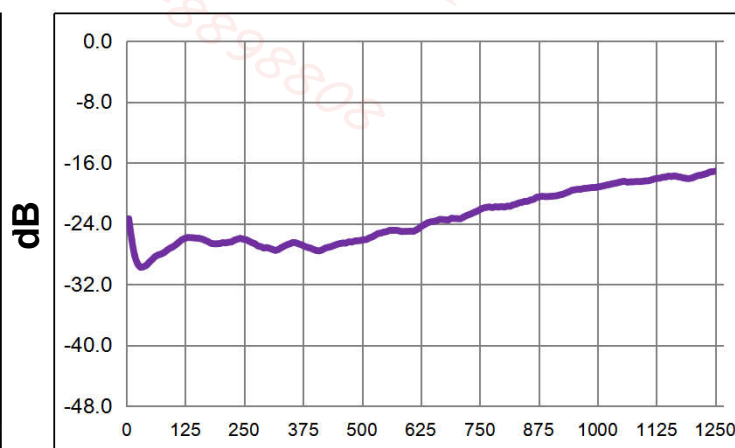
Frequency(MHz)

Input Return Loss (Pin1)



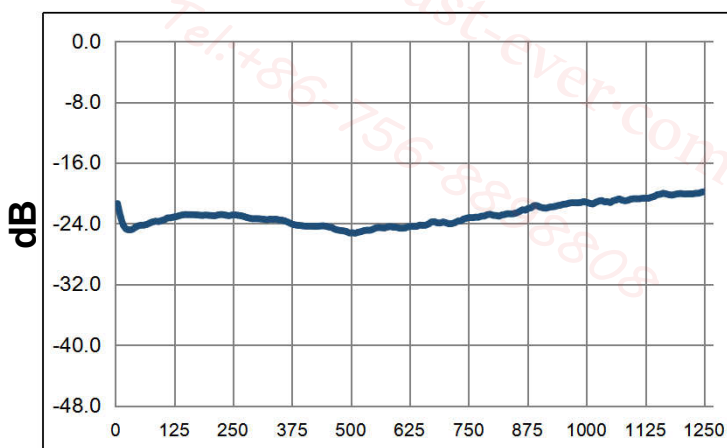
Frequency(MHz)

Output Return Loss (Pin6)



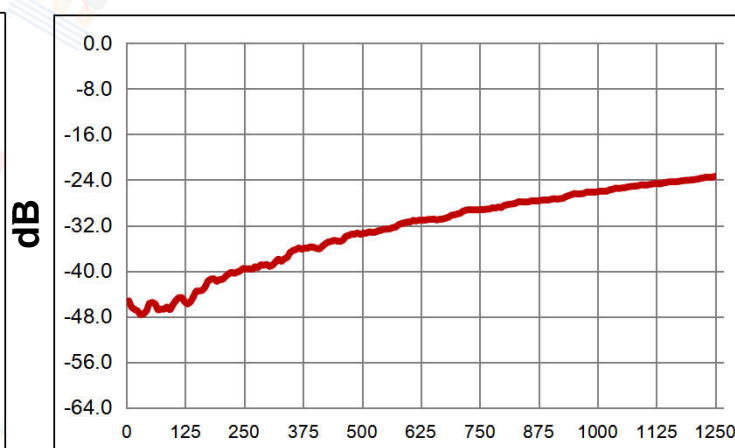
Frequency(MHz)

Coupling Return Loss (Pin3)



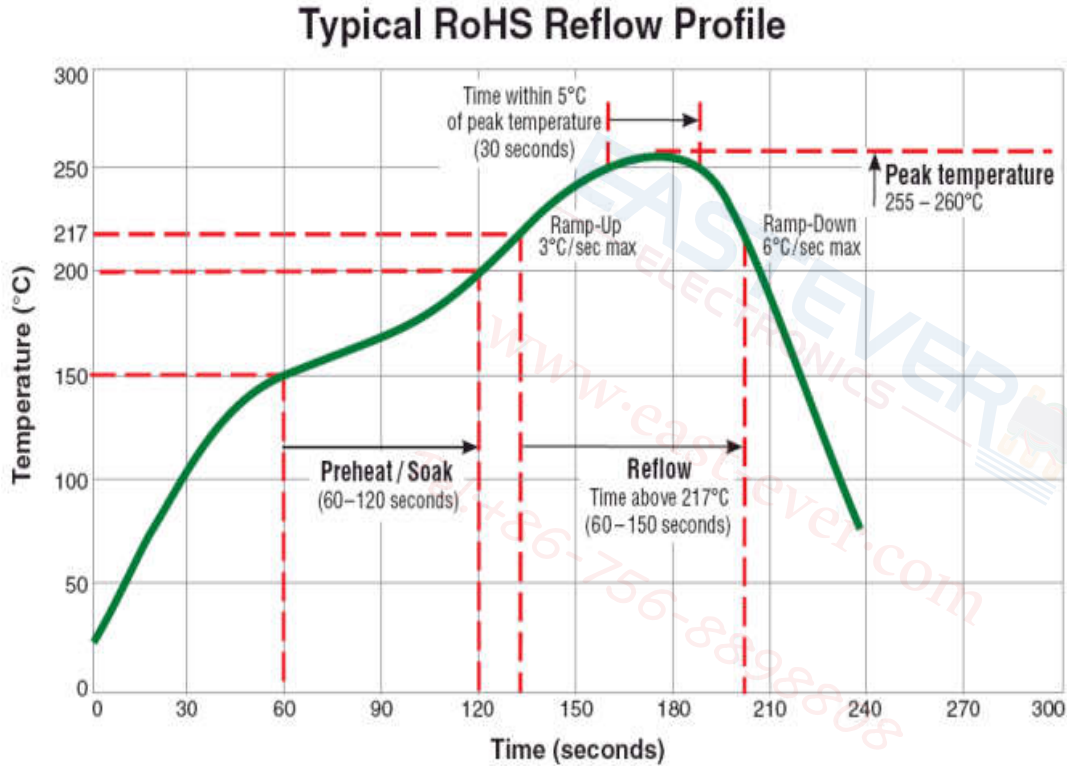
Frequency(MHz)

Isolation (Pin1-4)

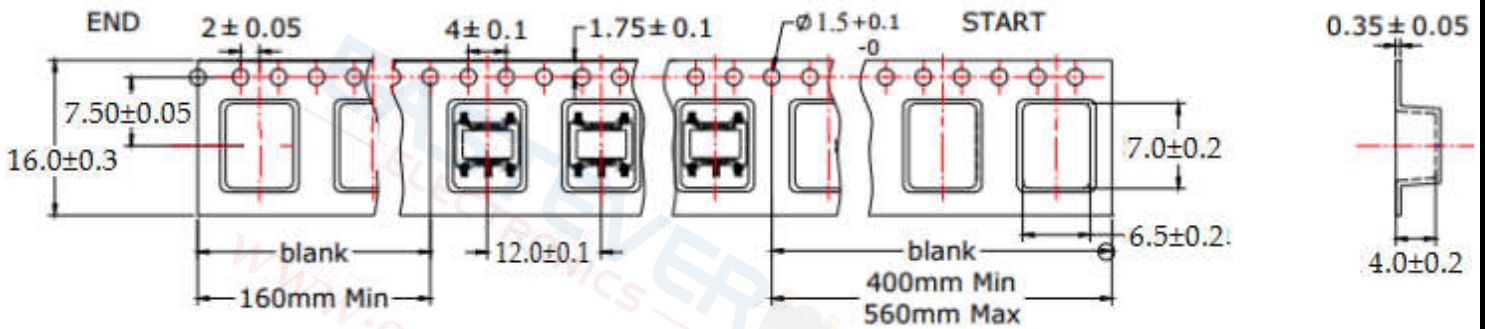


Frequency(MHz)

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 |

