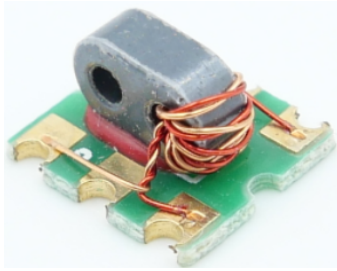


H2MABA-011085



5-1250 MHz

75Ω 1:1 Transmission Line Transformer

Features

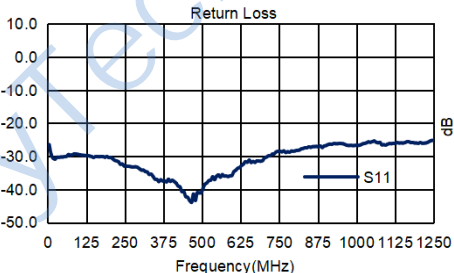
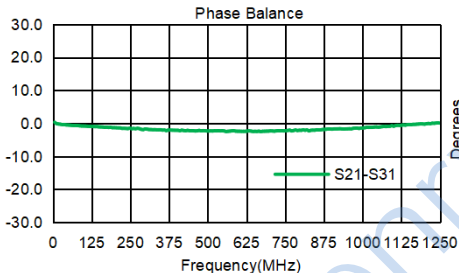
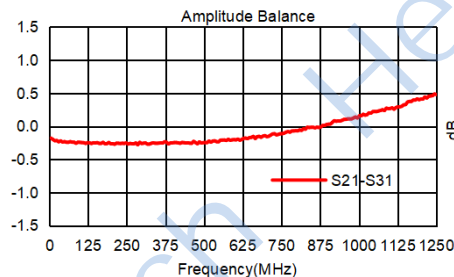
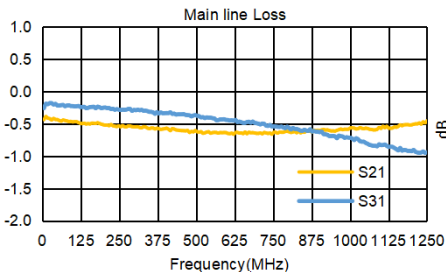
- Input RF Power:2000 mW
- DC Current:1500 mA
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C

Applications

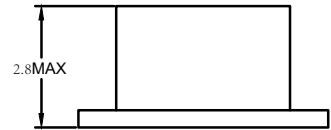
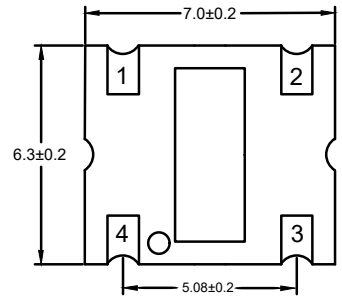
- For Doccis 3.0 & 3.1 Cable Modem.
- For Wideband Push-pull Amplifiers.
- For CATV Amplifiers Module & Set top box.
- For CATV Optical Receivers and Amplifiers.
- For VHF/UHF Transmitters and Push-pull Amplifiers.

Electrical Specifications:TA=25°C, 0dBm, Z0=75Ω

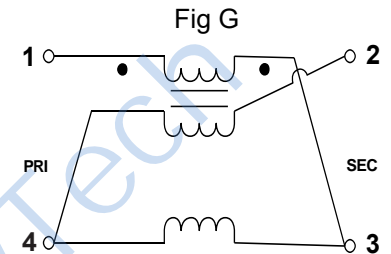
Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin1-2)	5-1250MHz	dB	-	0.5	1.2
Main line Loss (Pin1-3)	5-1250MHz	dB	-	1.0	1.5
Amplitude Balance	5-1250MHz	dB	0.0	0.2	1.2
Phase Balance	5-1250MHz	°	0.0	1.0	10.0
Input Return Loss(Pin1)	5-1250MHz	dB	16.0	25.0	-



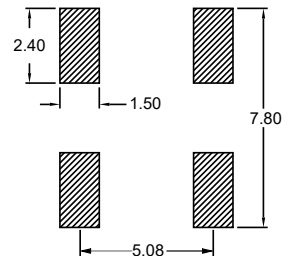
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	1
Output 1	2
Output 2	3
Ground	4