

**H2MABA-009210-CT1760**



5-1250MHz

75Ω 1:1 Transmission Line Transformer

**Features**

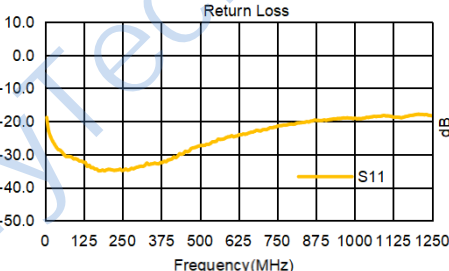
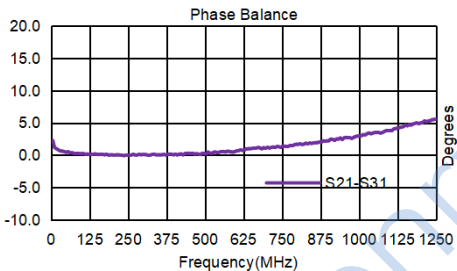
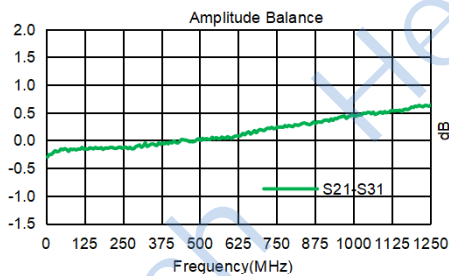
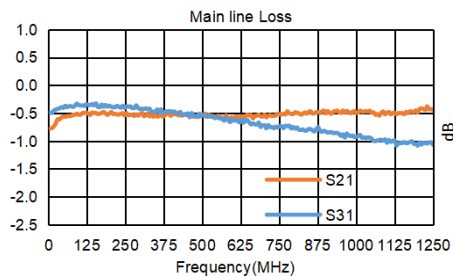
- Excellent amplitude unbalance, 0.5 dB typ. and phase unbalance, 3 deg. typ. in 1 dB bandwidth
- RF Power, 0.5W
- DC current: 500mA
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free

**Applications**

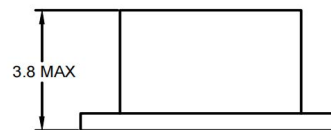
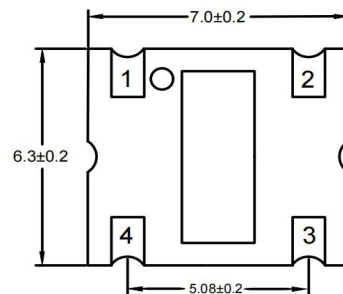
- Impedance matching
- Balanced amplifier
- Balun
- Cellular and VHF

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

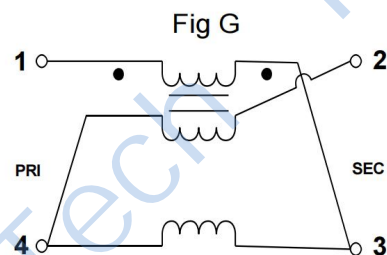
Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin1-2)	5-1250MHz	dB	—	0.5	1.0
Main line Loss (Pin1-3)	5-1250MHz	dB	—	0.8	1.8
Amplitude Balance	5-1250MHz	dB	0.0	0.5	1.2
Phase Balance	5-1250MHz	°	0.0	3.0	10.0
Input Return Loss(Pin1)	5-1250MHz	dB	16.0	20.0	—



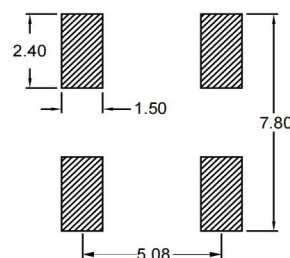
**Outline Drawing(mm)**



**Electrical structure**



**Recommended layout(mm)**



**Pin Connections**

Input	1
Output 1	2
Output 2	3
Ground	4

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