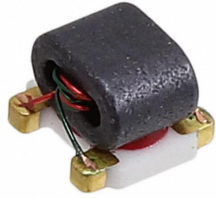


H2TC1-1-13M+



50Ω 5-4000 MHz

1:1 Transmission Line Transformer

Features

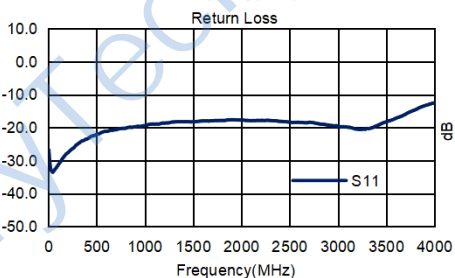
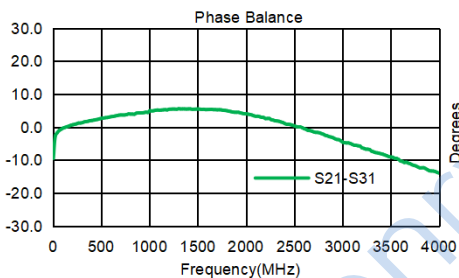
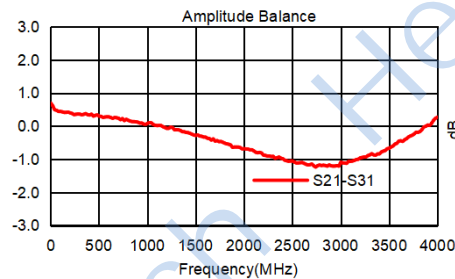
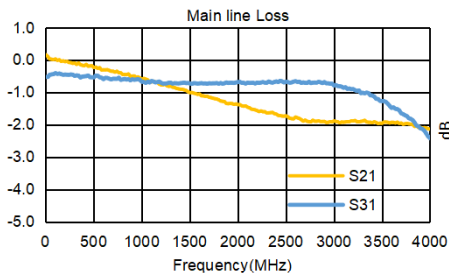
- RF Power, 0.50W
- DC Current, 500 mA
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free

Applications

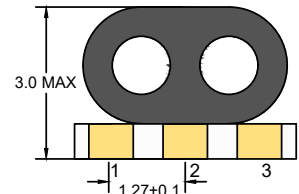
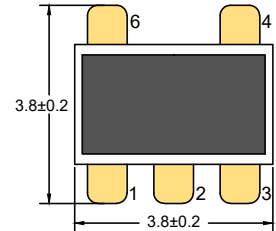
- Impedance matching
- Balanced amplifier
- Balun
- Cellular and VHF

Electrical Specifications: TA=25°C, 0dBm, ZO=50Ω

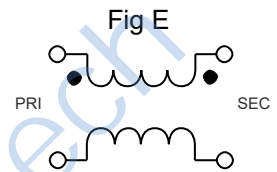
Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin4-3)	5-4000MHz	dB	—	2.0	3.5
Main line Loss (Pin4-1)	5-4000MHz	dB	—	2.0	3.5
Amplitude Balance	5-4000MHz	dB	—	1.0	2.0
Phase Balance	5-4000MHz	°	—	15.0	25.0
Input Return Loss(Pin4)	5-4000MHz	dB	10.0	20.0	—



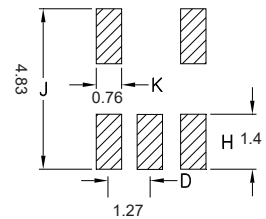
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	6
Output 1	3
Output 2	1
Ground	4
Not Used	2

H2TC1-1-13M+



75Ω 5-1002 MHz

1:1 Transmission Line Transformer

Features

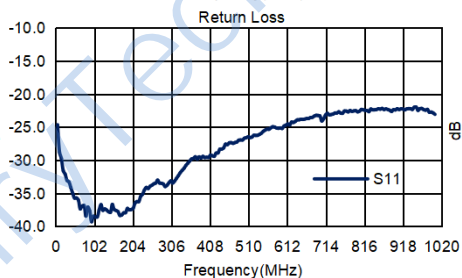
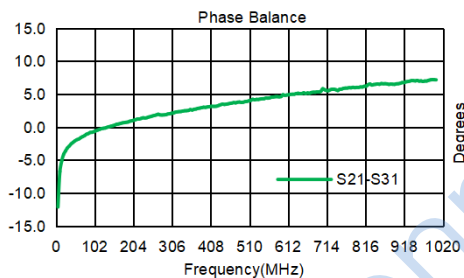
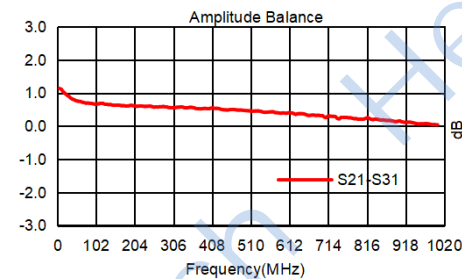
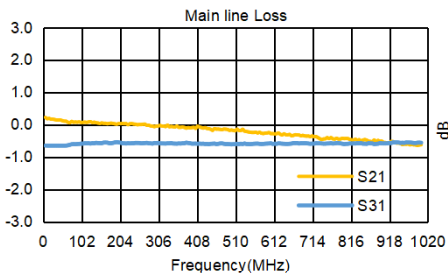
- RF Power, 0.50W
- DC Current, 500 mA
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free

Applications

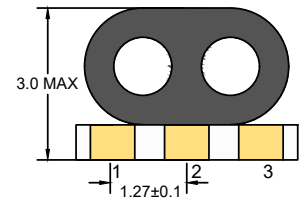
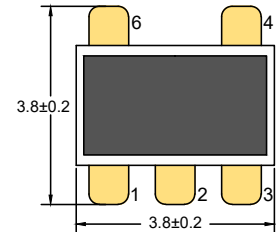
- Impedance matching
- Balanced amplifier
- Balun
- Cellular and VHF

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

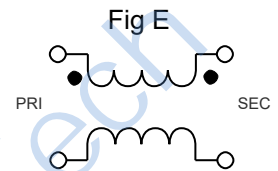
Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin6-1)	5-1002MHz	dB	—	0.6	1.2
Main line Loss (Pin6-3)	5-1002MHz	dB	—	0.6	1.2
Amplitude Balance	5-1002MHz	dB	—	0.5	1.5
Phase Balance	5-1002MHz	°	—	8.0	15.0
Input Return Loss(Pin6)	5-1002MHz	dB	16.0	20.0	—



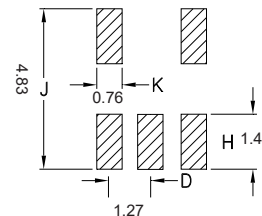
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	6
Output 1	3
Output 2	1
Ground	4
Not Used	2