H2TC1-1-13M+

50Ω 5-4000 MHz

1:1 Transmission Line Transformer

Features

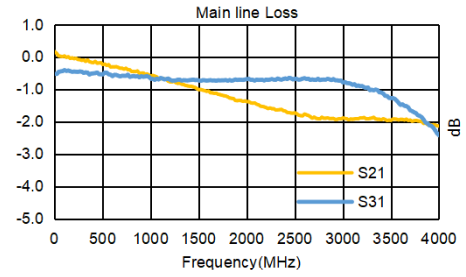
- RF Power, 0.50W
- DC Current, 500 mA
- Operating temperature range: -40℃ to +85℃
- Storage temperature range: -55℃ to +100℃
- 260°C Reflow Compatible
- RoHS compliant and lead free

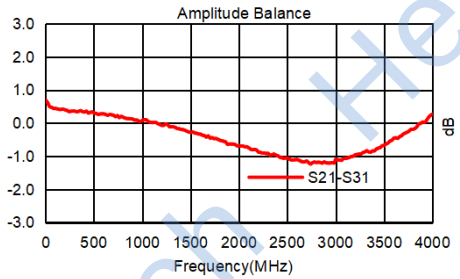
Applications

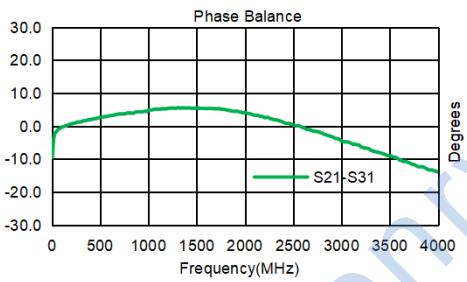
- Impedance matching
- Balanced amplifier
- Balun
- Cellular and VHF

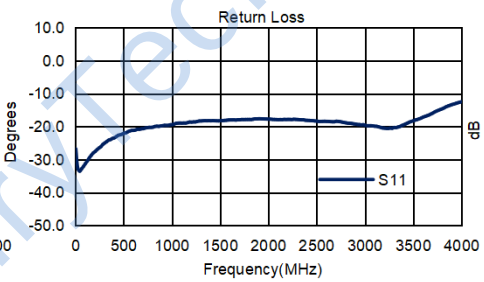
Electrical Specifications:TA=25℃, 0dBm, Z0=50Ω

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	—

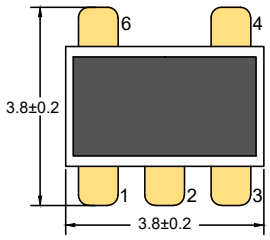


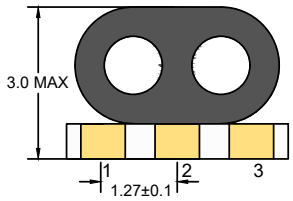






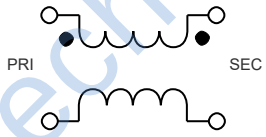
Outline Drawing(mm)



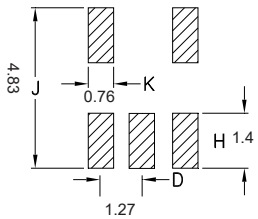


Electrical structure

Fig E



Recommended layout(mm)



Pin Connections

Input	6
Output 1	3
Output 2	1
Ground	4

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H2TC1-1-13M+

75Ω 5-1002 MHz

1:1 Transmission Line Transformer

Features

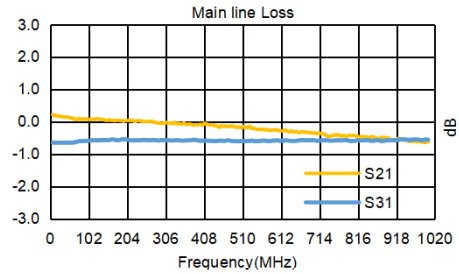
•RF Power, 0.50W
•DC Current, 500 mA
•Operating temperature range: -40℃ to +85℃
•Storage temperature range: -55℃ to +100℃
•260°C Reflow Compatible
•RoHS compliant and lead free

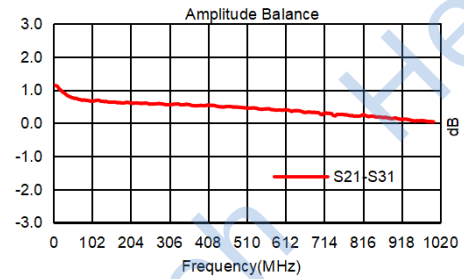
Applications

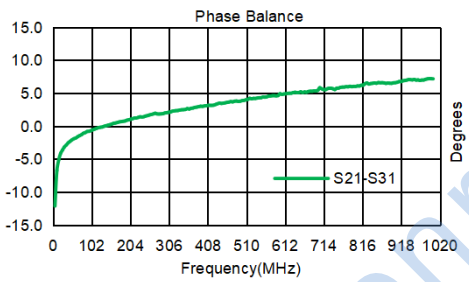
- Impedance matching
- Balanced amplifier
- Balun
- Cellular and VHF

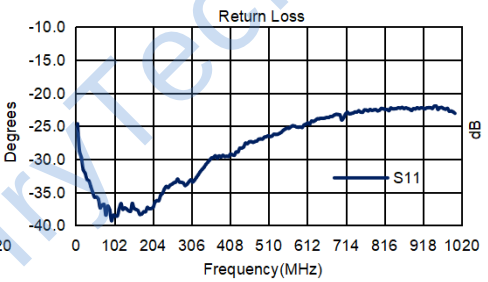
Electrical Specifications:TA=25℃, 0dBm, Z0=75Ω

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	—

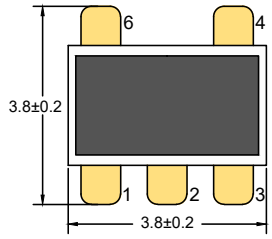


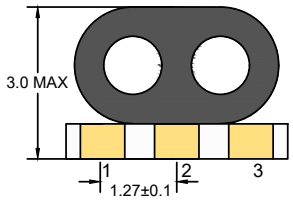




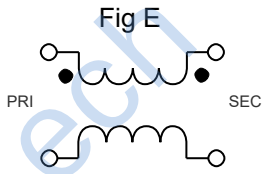


Outline Drawing(mm)

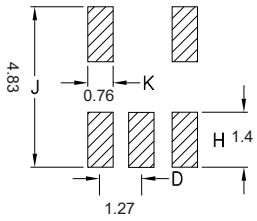




Electrical structure



Recommended layout(mm)



Pin Connections

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

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