

H2TCM1-43X+



10-4000 MHz

50Ω 1:1 Transmission Line Transformer

Features

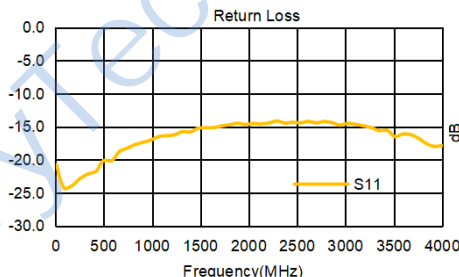
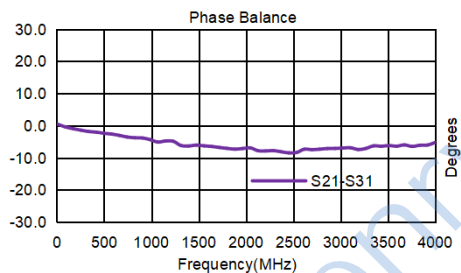
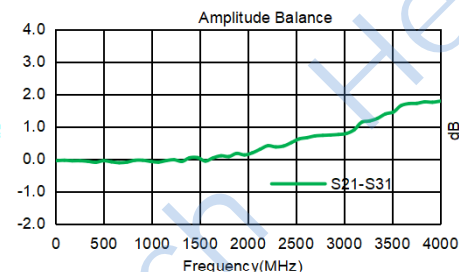
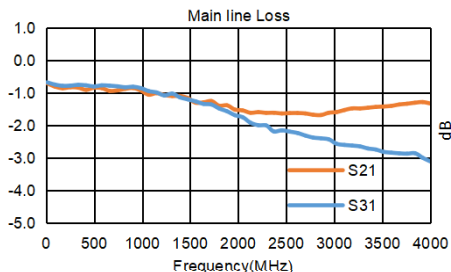
- RF Power, 0.25W
- DC Current , 30mA
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free

Applications

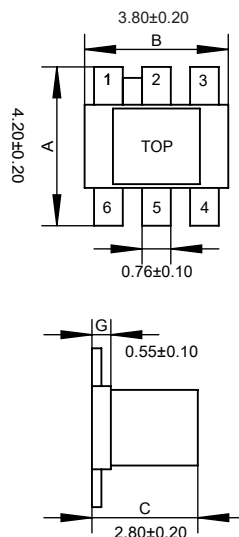
- Impedance matchin
- Balanced amplifie
- Balun
- Cellular and VHF

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin3-4)	10-4000MHz	dB	—	1.5	3.0
Main line Loss (Pin3-6)	10-4000MHz	dB	—	2.5	4.0
Amplitude Balance	10-4000MHz	dB	0.0	1.5	2.5
Phase Balance	10-4000MHz	°	0.0	8.0	25.0
Input Return Loss(Pin3)	10-4000MHz	dB	12.0	15.0	—

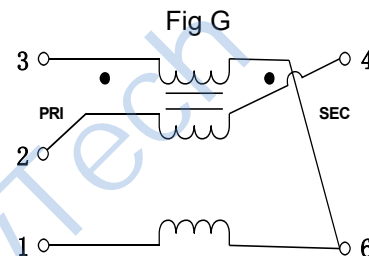


Outline Drawing(mm)

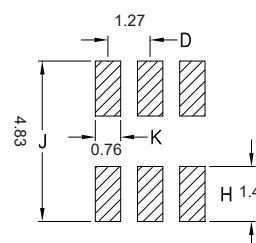


Electrical structure

Fig E



Recommended layout(mm)



Pin Connections

Input	3
Output 1	4
Output 2	6
Ground	1,2
Not Used	5