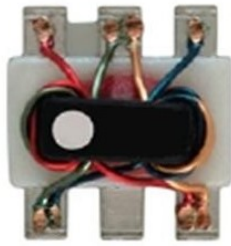


H2TCM3-452X+



20-4500MHz

50Ω 1:3 Transmission Line Transformer

Features

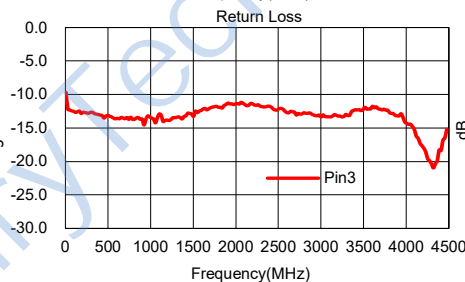
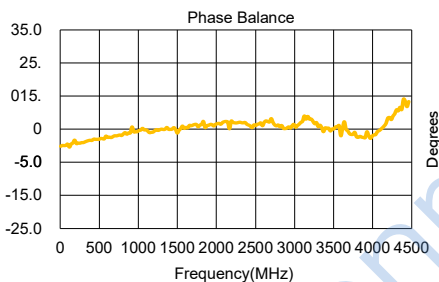
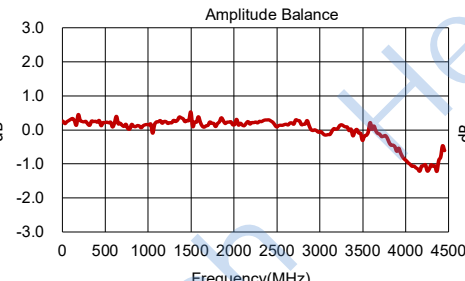
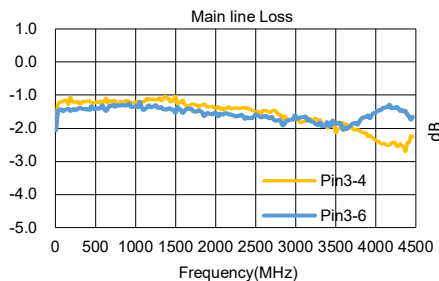
- RF Power, : 0.25W
- DC Current : 30mA
- Operating temperature range: -40 C to +85 C
- Storage temperature range: -55 C to +100 C
- 260°C Reflow Compatible
- RoHS compliant and lead free

Applications

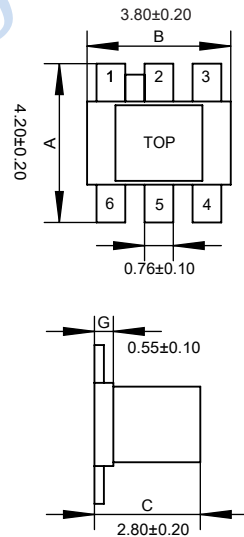
- Impedance matching
- Balanced amplifier
- Balun
- Cellular and VHF

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

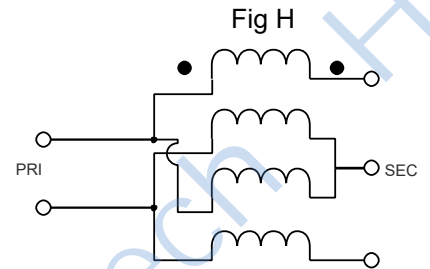
Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin3-4)	20-4500MHz	dB	—	2.5	3.0
Main line Loss (Pin3-6)	20-4500MHz	dB	—	2.0	3.0
Amplitude Balance	20-4500MHz	dB	0.0	1.0	2.0
Phase Balance	20-4500MHz	°	0.0	5.0	20.0
Input Return Loss(Pin3)	20-4500MHz	dB	10.0	12.0	—



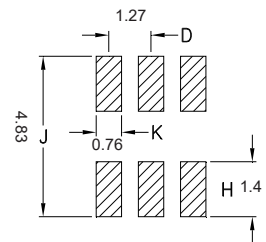
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

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