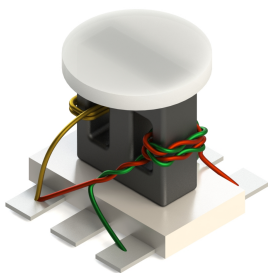


# H2TCM1-63AX+



10-6000 MHz

50Ω 1:1 Transmission Line Transformer

### Features

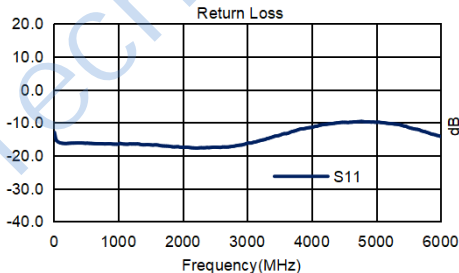
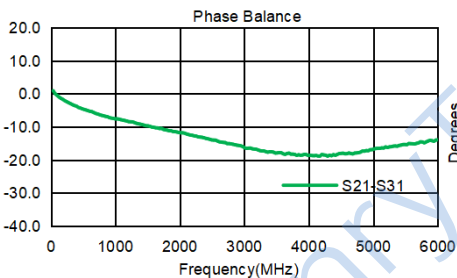
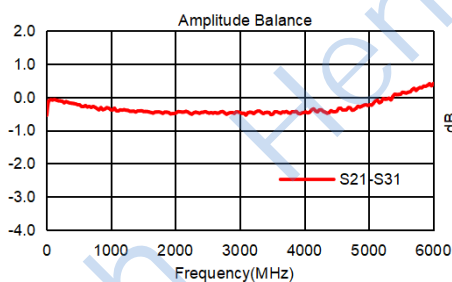
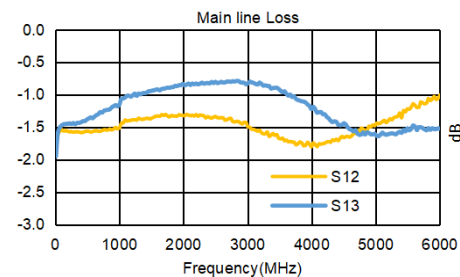
- RF Power, 0.25W
- DC Current: 30mA
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free

### Applications

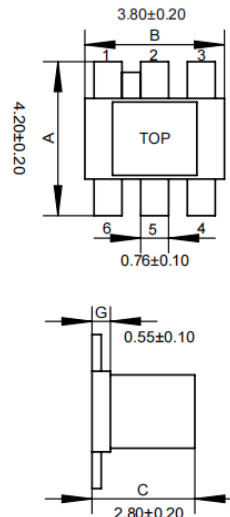
- differential modulator/demodulator and active mixers
- wideband push-pull amplifiers
- LTE, Cellular, PCS, UMTS, WiFi, WiMAX
- used with Analog Devices' ADL5380, ADL5801/02

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

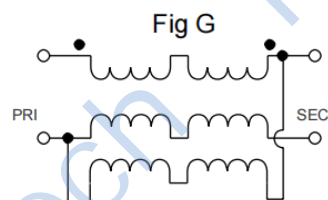
Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin3-4)	10-6000MHz	dB	—	1.0	2.5
Main line Loss (Pin3-6)	10-6000MHz	dB	—	1.0	2.5
Amplitude Balance	10-6000MHz	dB	0.0	1.5	2.5
Phase Balance	10-6000MHz	°	0.0	15.0	30.0
Input Return Loss(Pin3)	10-6000MHz	dB	10.0	16.0	—



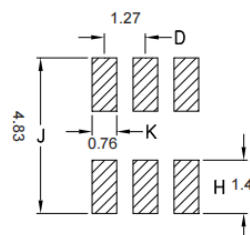
### Outline Drawing(mm)



### Electrical structure



### Recommended layout(mm)



### Pin Connections

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

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