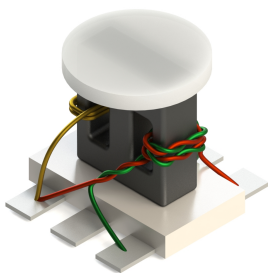


H2TCM1-63AX+



10-6000 MHz

50Ω 1:1 Transmission Line Transformer

Features

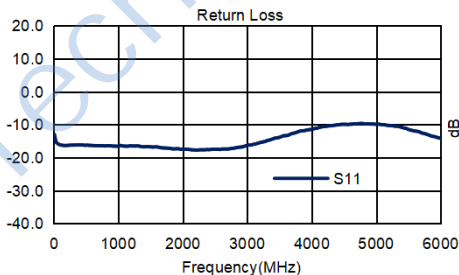
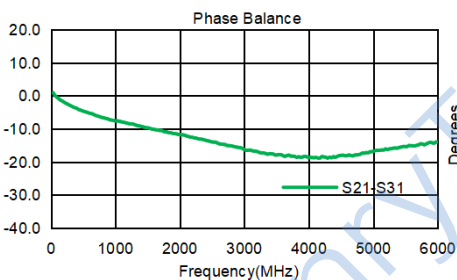
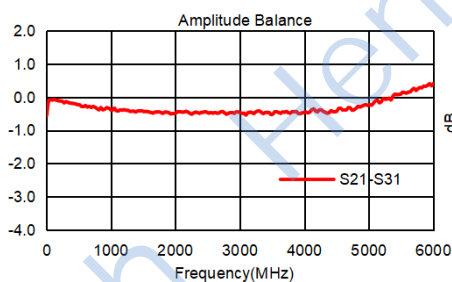
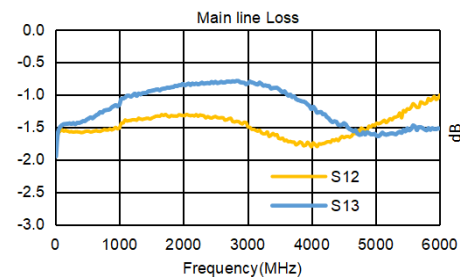
- RF Power, 0.25W
- DC Current: 30mA
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free

Applications

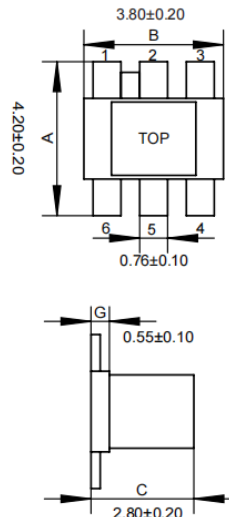
- differential modulator/demodulator and active mixers
- wideband push-pull amplifiers
- LTE, Cellular, PCS, UMTS, WiFi, WiMAX
- used with Analog Devices' ADL5380, ADL5801/02

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

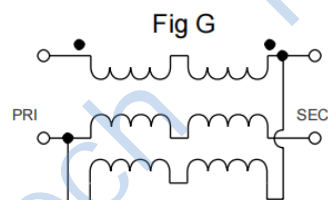
Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin3-4)	10-6000MHz	dB	—	1.0	2.5
Main line Loss (Pin3-6)	10-6000MHz	dB	—	1.0	2.5
Amplitude Balance	10-6000MHz	dB	0.0	1.5	2.5
Phase Balance	10-6000MHz	°	0.0	15.0	30.0
Input Return Loss(Pin3)	10-6000MHz	dB	10.0	16.0	—



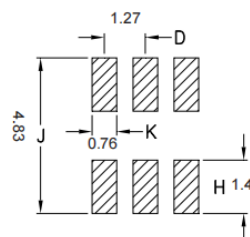
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

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

Tel: +86-28-85589664

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[MAPDCC0005](#) [3A325](#) [BD0810N50100AHF](#) [DC0710J5005AHF](#) [DC2327J5005AHF](#) [LFL15869MTC1B787](#) [X3C19F1-20S](#)

[CDBLB455KCAX39-B0](#) [RF1353C](#) [051157-0000](#) [PD0922J5050D2HF](#) [600S150FTRB](#) [1E1305-3](#) [1F1304-3S](#) [TP-103-PIN](#)

[BD1222J50200AHF](#) [BD1722J50100AHF](#) [2450DP39K5400E](#) [BD0810J50150AHF](#) [BD1722J50200AHF](#) [DS-327-PIN](#) [MACP-008125-](#)

[CK07F0](#) [DS-329-PIN](#) [DS-313-PIN](#) [TP-104-PIN](#) [TP-101-PIN](#) [HH-128-PIN](#) [8594810000](#) [T-1000-N](#) [JP506S](#) [XC0900P-10S](#) [XC0900B-30S](#)

[CHE1260-QAG](#) [11305-10](#) [5962-9091202MXA](#) [3A412S](#) [X3C06A4-03S](#) [B39000Z3410A4](#) [DSS-333-PIN](#) [PD2425J5050S2HF](#)

[B39242B4360P810](#) [B39781B8005P810](#)