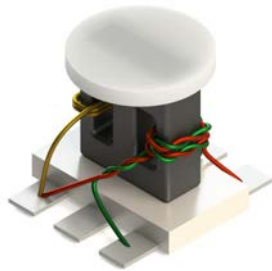


## H2TCM2-33X+



10-3000 MHz

50Ω 1:2 Transmission Line Transformer

### Features

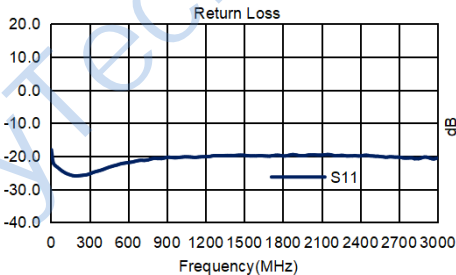
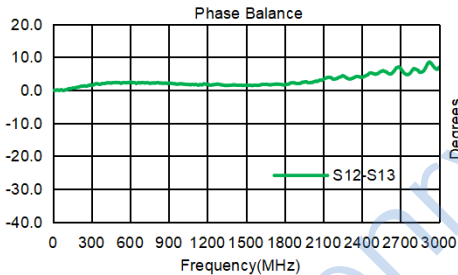
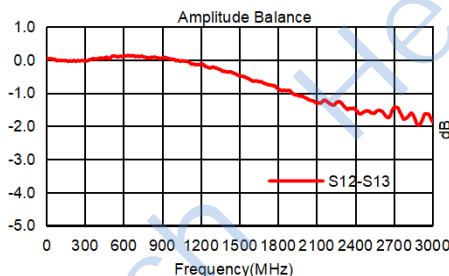
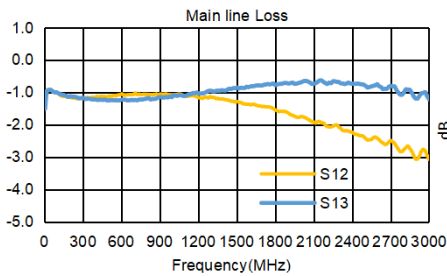
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS Compliant and Lead free
- Input Power: 0.40W Max
- DC Current: 30 mA

### Applications

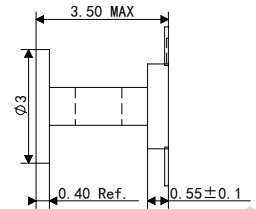
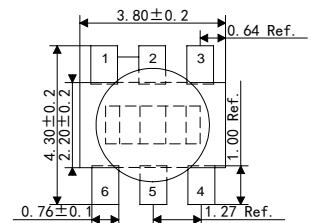
- Impedance matching
- Balanced amplifier
- Balun
- Cellular and VHF

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin6-4)	10-3000MHz	dB	—	2.0	3.5
Main line Loss (Pin6-3)	10-3000MHz	dB	—	1.0	2.0
Amplitude Balance	10-3000MHz	dB	—	2.0	3.0
Phase Balance	10-3000MHz	°	—	8.0	20.0
Input Return Loss(Pin6)	10-3000MHz	dB	15.0	20.0	—

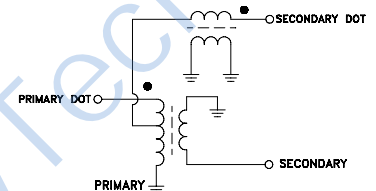


### Outline Drawing(mm)

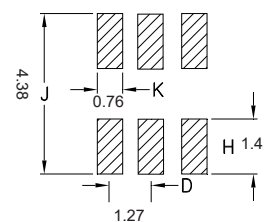


### Electrical structure

Fig W



### Recommended layout(mm)



### Pin Connections

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

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

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

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