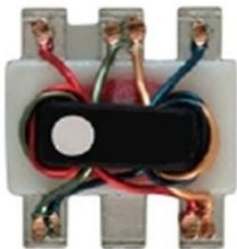


**H2TCM1-43X+**



10-4000 MHz

50Ω 1:1 Transmission Line Transformer

**Features**

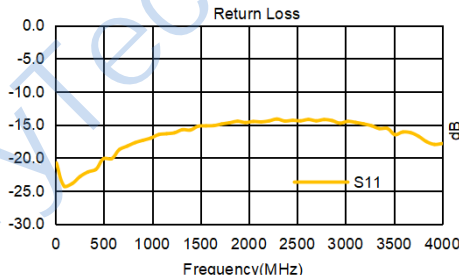
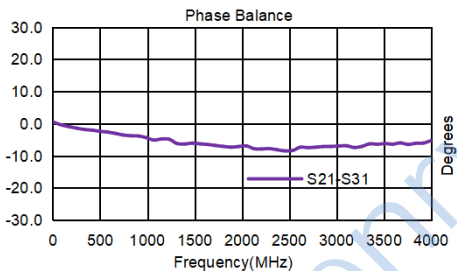
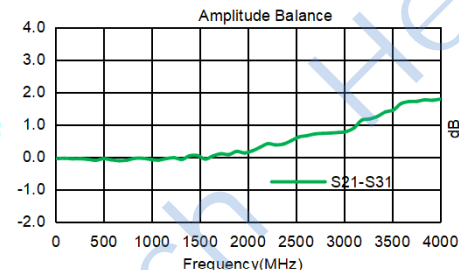
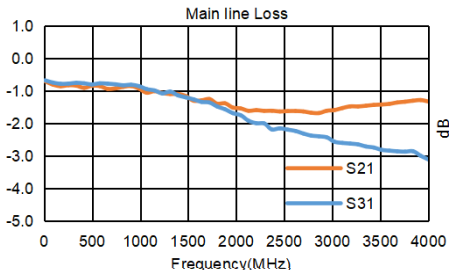
- RF Power, 0.25W
- DC Current , 30mA
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free

**Applications**

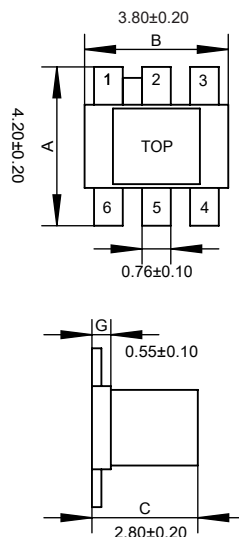
- Impedance matchin
- Balanced amplifie
- Balun
- Cellular and VHF

**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	—

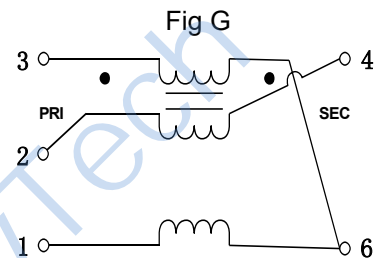


**Outline Drawing(mm)**

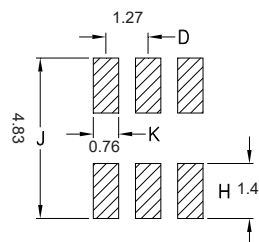


**Electrical structure**

Fig E



**Recommended layout(mm)**



**Pin Connections**

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

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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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