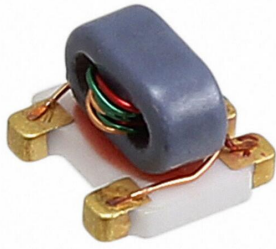


H2TC4-25+



500-2500 MHz

50Ω 1:4 Transmission Line Transformer

Features

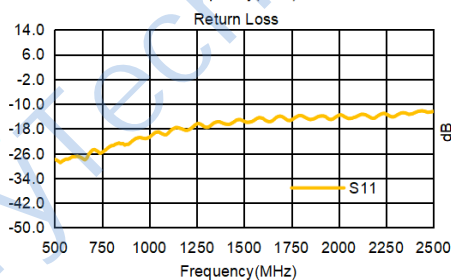
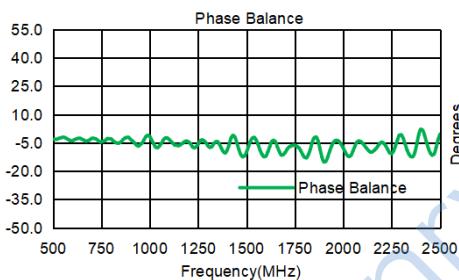
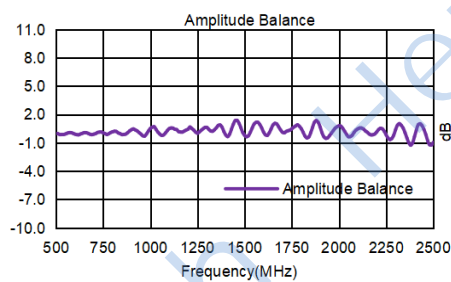
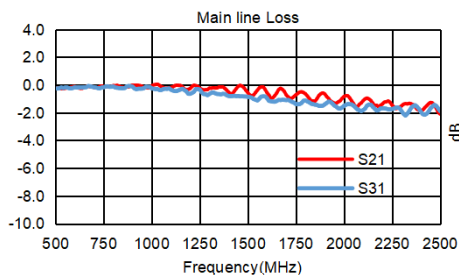
- RF Power, 0.25W
- DC Current , 30mA
- Operating temperature range: -40℃ to +85℃
- Storage temperature range: -55 to +100
- 260℃ Reflow Compatible
- RoHS compliant and lead free

Applications

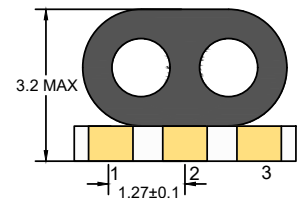
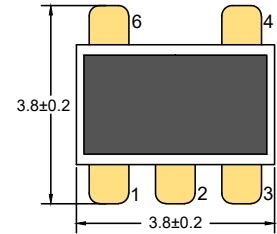
- Impedance matching
- Balanced amplifier
- Balun
- Cellular and VHF

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

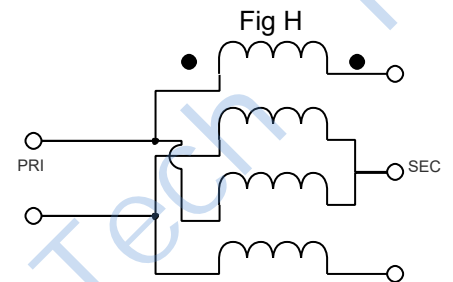
Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin4-3)	500-2500MHz	dB	—	1.8	3.2
Main line Loss (Pin4-1)	500-2500MHz	dB	—	1.8	3.2
Amplitude Balance	500-2500MHz	dB	—	1.5	3.5
Phase Balance	500-2500MHz	°	—	12.0	35.0
Input Return Loss (Pin4)	500-2500MHz	dB	12.0	16.0	—



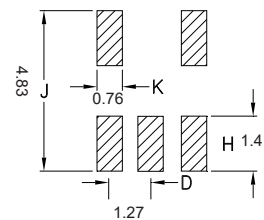
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	4
Output 1	3
Output 2	1
Ground	2, 6

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