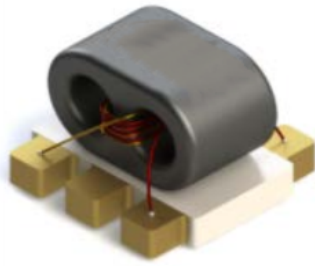


**H2TC1-1-43+**



650-4000 MHz

50Ω 1:1 Transmission Line Transformer

**Features**

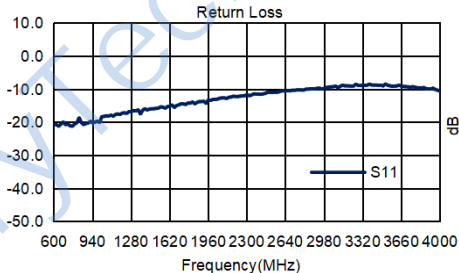
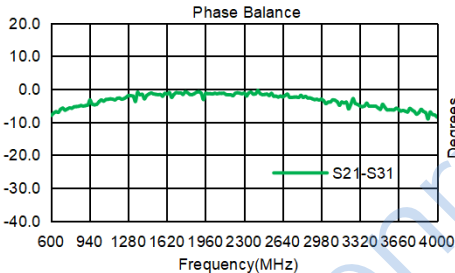
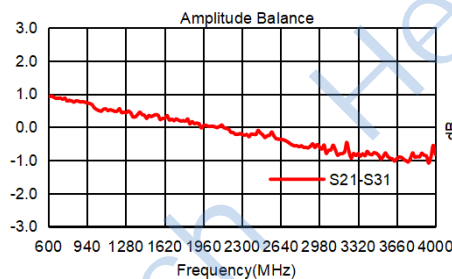
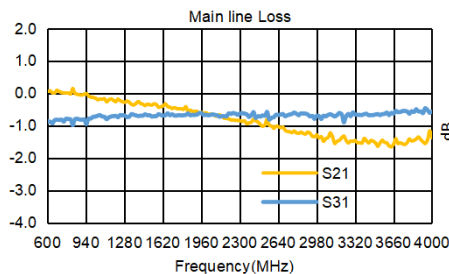
- DC Current: 30mA Max
- Input Power: 250mW Max
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C

**Applications**

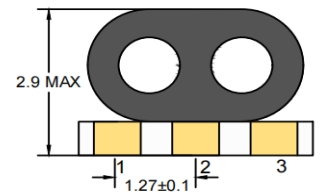
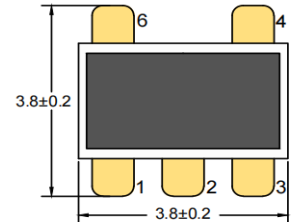
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin4-3)	650-4000MHz	dB	—	1.2	2.0
Main line Loss (Pin4-1)	650-4000MHz	dB	—	0.8	1.5
Amplitude Balance	650-4000MHz	dB	0.0	1.0	2.0
Phase Balance	650-4000MHz	°	0.0	5.0	15.0
Input Return Loss (Pin4)	650-4000MHz	dB	8.0	12.0	—

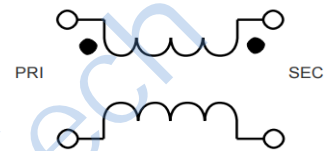


**Outline Drawing(mm)**

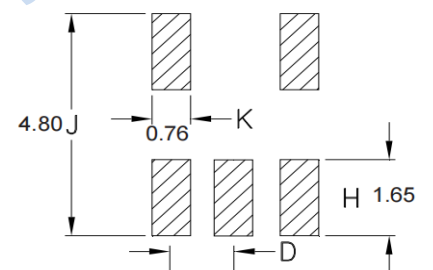


**Electrical structure**

Fig E



**Recommended layout(mm)**



**Pin Connections**

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

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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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