

HBLDT1-6T



RF Balun Transformer, 1: 1CT Flux Coupled Transformer

0.3-125 MHz

Rev. 1

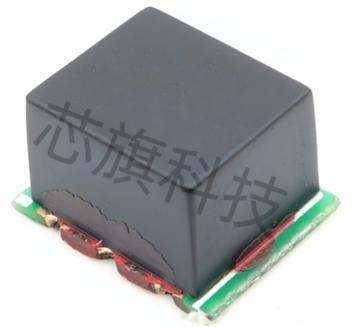
Features::

- ◆ RF power: 0.50W
- ◆ DC current: 30mA
- ◆ Operating temperature range: -20°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C

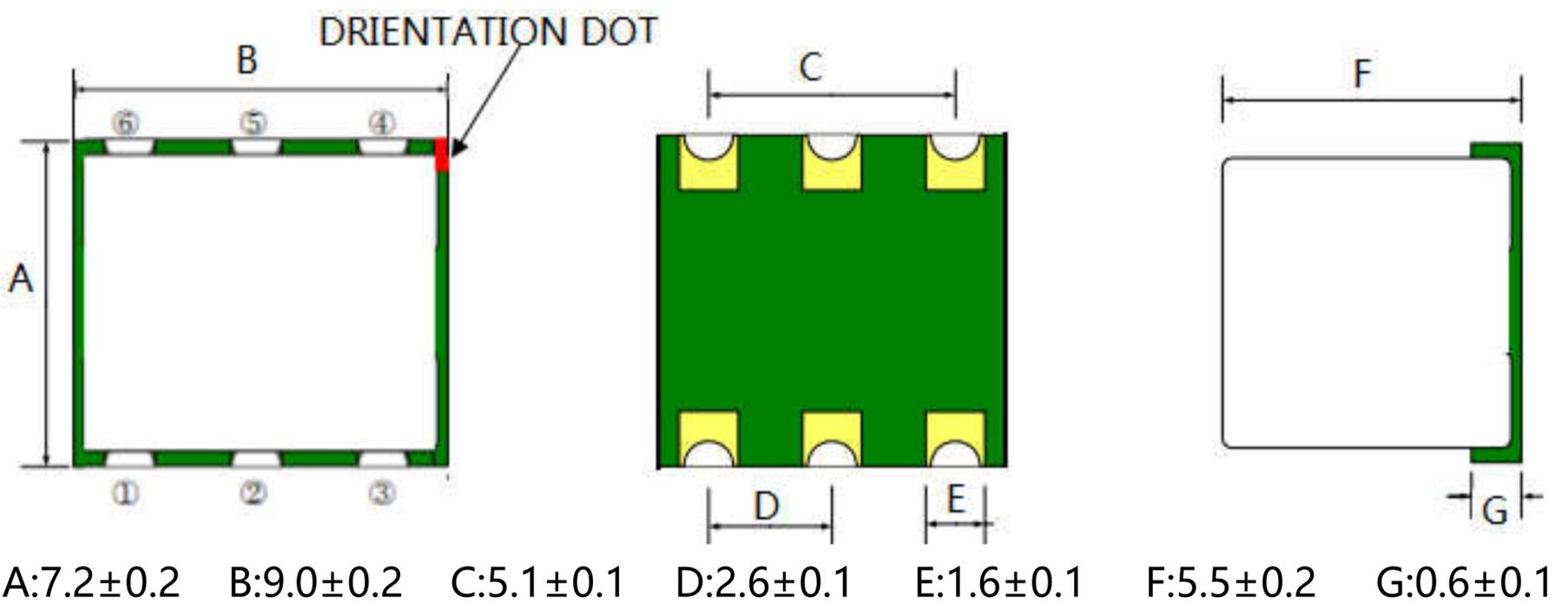


Applications:

- ◆ For Motorola Walkie-talkie.
- ◆ 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.

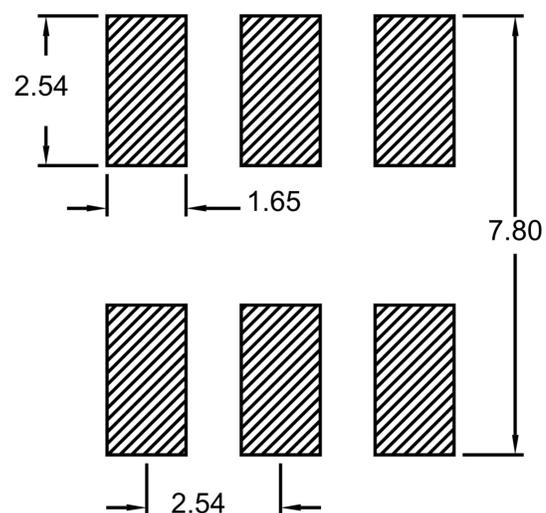
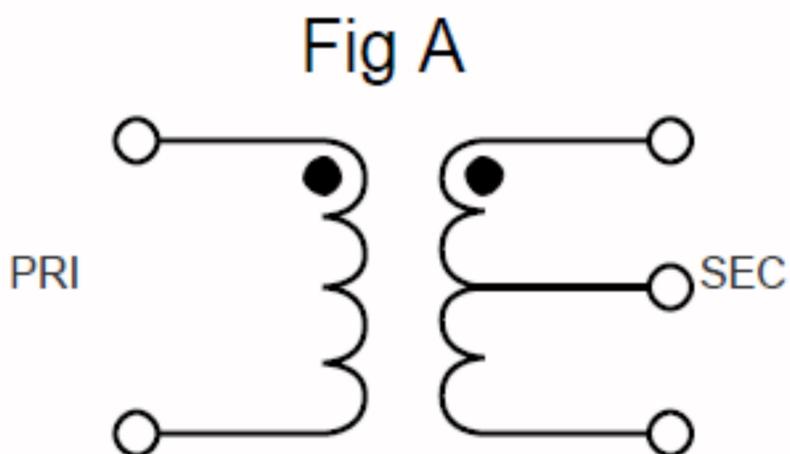


Dimension Diagram (Unit:mm) :



Electrical structure:

Recommended layout:



Pin configuration:

Pin No.	Function
1	Output2
2	Ground
3	Output1
4	Input
6	Ground

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	0.3-125MHz	dB	—	0.6	2.5
Main line Loss(out2)	0.3-125MHz	dB	—	0.3	2.0
Amplitude Balance	0.3-125MHz	dB	—	0.2	±0.5
Phase Balance	0.3-125MHz	Degrees	—	5.0	±10.0
Input Return Loss	0.3-125MHz	dB	6.0	25.0	—

