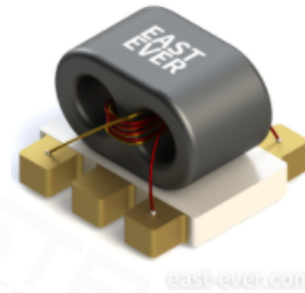


Features::

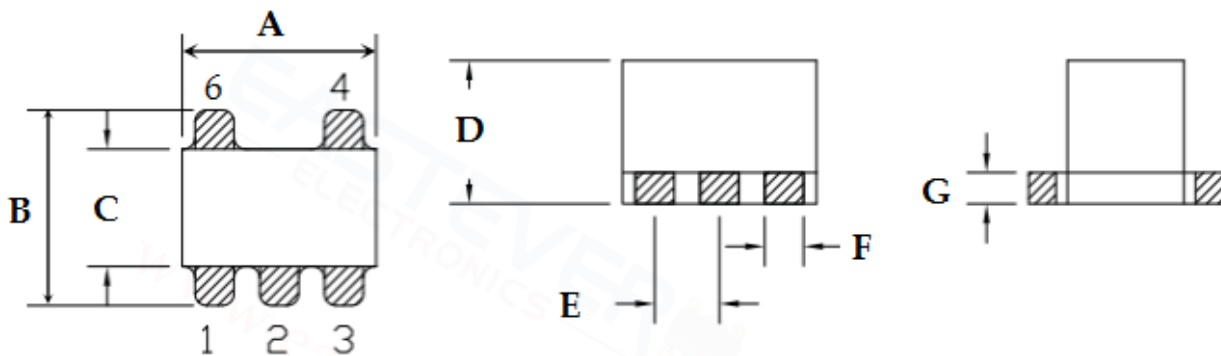
- ◆ RF power: 0.25W Max
- ◆ DC current: 30mA Max
- ◆ 260°C Reflow Compatible
- ◆ RoHS compliant and lead free
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +125°C



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.

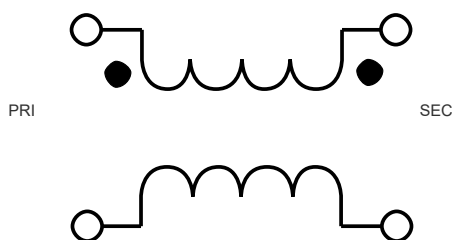
Dimension Diagram (Unit:mm) :



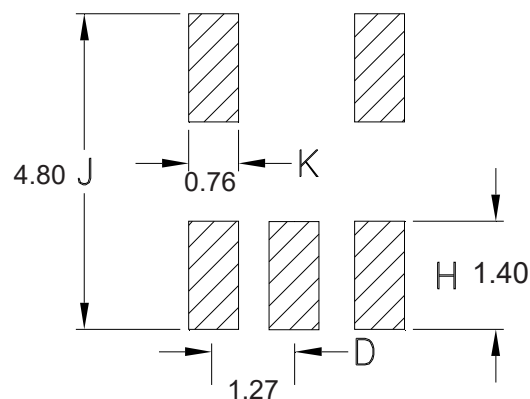
A=3.80±0.20 B=3.80±0.20 C=2.30±0.20 D=2.80±0.20 E=1.27±0.10 F=0.76±0.10 G=0.60±0.10

Electrical structure:

Fig E



Recommended layout:



Pin configuration:

Pin No.	Function
1	Secondary (Output 2)
2	Centre tap (Ground)
3	Secondary dot (Output 1)
4	Primary dot (Input)
6	Primary (Ground)

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss	4.5-1000MHz	dB	—	0.40	1.00
Main line Loss	1000-2000MHz	dB	—	0.80	2.50
Main line Loss	2000-3000MHz	dB	—	2.50	3.50
Amplitude Unbalance	4.5-1500MHz	dB	—	0.50	1.00
Amplitude Unbalance	1500-3000MHz	dB	—	1.00	1.70
Phase Unbalance	4.5-1500MHz	Degrees	—	5.00	15.00
Phase Unbalance	1500-3000MHz	Degrees	—	5.00	35.00
Input Return Loss	4.5-1500MHz	dB	10.00	25.00	—
Input Return Loss	1500-3000MHz	dB	5.00	15.00	—

Sample Test Data Sheet :

