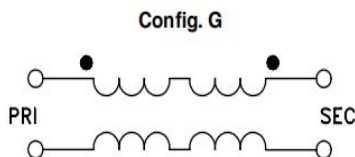


Features

- wideband, 650 to 4000 MHz
- balanced transmission line
- good return loss
- plastic base with leads
- aqueous washable

Applications

- balanced to unbalanced transformation
- PCS/DCS
- push-pull amplifiers



JY-TC1-1-43X+



Generic photo used for illustration purposes only

50Ω 650 to 4000 MHz

Electrical Specifications at 25°C

Parameter	Frequency(MHz)	Min.	Typ.	Max.	Unit
Impedance Ratio	-	-	1	-	Ohm
Frequency Range	-	650	-	4000	Mhz
Insertion Loss*	650-4000 800-3000	-	2.0 1.0	-	dB dB
Amplitude Unbalance	650-4000		0.5		dB
Phase Unbalance	650-4000		4		Degree

**Insertion Loss is referenced to mid-band loss, 0.5 dB typ.

Maximum Ratings

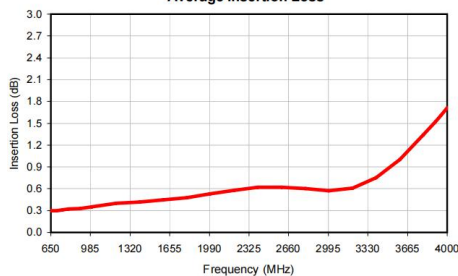
Operating Temperature	-40°C to 85°C
Storage Temperature	-40°C to 85°C
RF Power	0.25W
DC Current	30mA

Permanent damage may occur if any of these limits are exceeded.

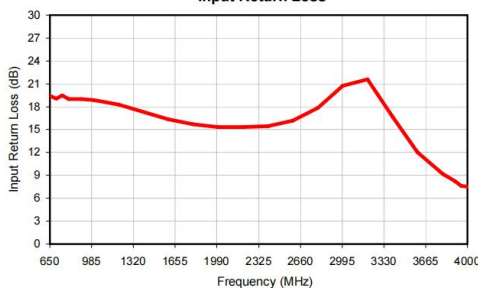
Pin Connections

PRIMARY DOT	6
PRIMARY	4
SECONDARY DOT	1
SECONDARY	3
NOT USED	2

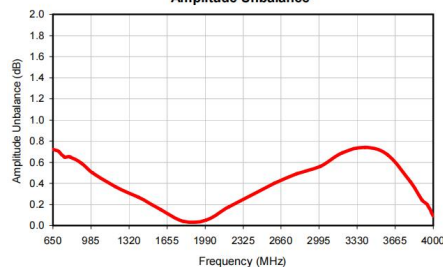
Average Insertion Loss



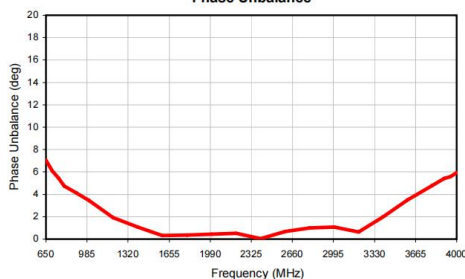
Input Return Loss



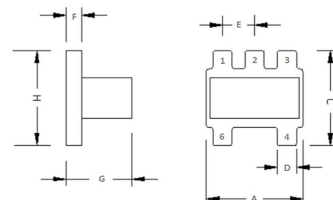
Amplitude Unbalance



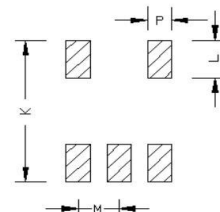
Phase Unbalance



Outline Drawing



PCB Land Pattern



Suggested Layout,
Tolerance to be within ±0.05

Outline Dimensions (mm)

A	3.81	N	-
B	-	M	1.27
C	3.81	P	0.76
D	0.76	J	-
E	1.27	K	4.81
F	0.61	L	1.30
G	2.83	H	3.81