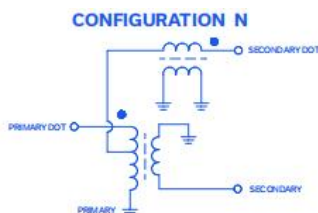


Features

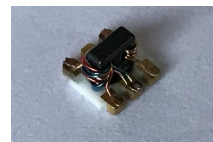
- Wide bandwidth, 10 to 3000 MHz
- Balanced transmission line
- Excellent return loss
- Aqueous washable
- Patent pending

Applications

- PCS
- Wideband push-pull amplifiers
- Cellular



JY-TCM2-33WX+



50Ω 10 to 3000 MHz

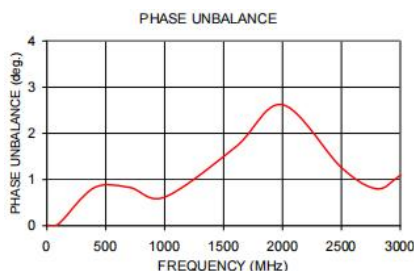
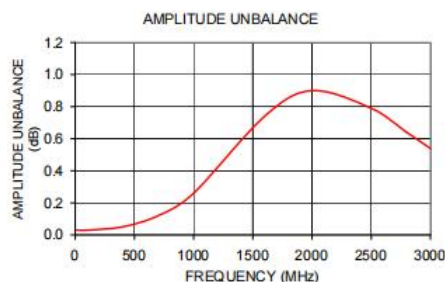
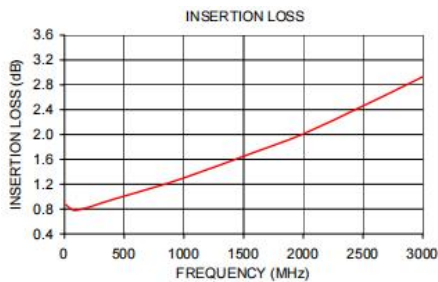
Electrical Specifications at 25°C

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit
Impedance Ratio(secondary/primary)	-	2			Ohm
Frequency Range	-	10	-	3000	Mhz
Insertion Loss	10-3000	-	1.5	3.0	dB
Amplitude Unbalance	10-3000	-	0.7	-	dB
Phase Unbalance	10-3000	-	4	-	Degree

Typical Performance Data

(TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +25°C)

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
10	0.87	21.66	0.03	0.01
100	0.78	28.58	0.03	0.04
400	0.95	21.26	0.05	0.82
700	1.12	18.13	0.12	0.83
1000	1.30	16.31	0.26	0.62
1600	1.72	14.75	0.74	1.70
2000	2.01	14.79	0.90	2.62
2500	2.46	15.01	0.79	1.26
2800	2.74	14.33	0.64	0.80
3000	2.93	13.77	0.54	1.09



Maximum Ratings

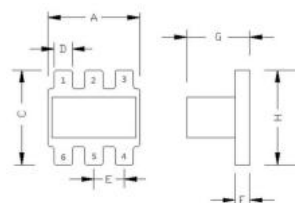
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	0.4W
DC Current	30mA

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

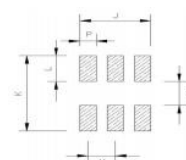
Pid Connections

PRIMARY DOT	6
PRIMARY	2
SECONDARY DOT	4
SECONDARY	3
GND	2,5
NOT USED	1

Outline Drawing



PCB Land Pattern

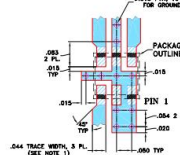


Suggested Layout,Tolerance to be within ±0.02

Outline Dimensions: Unit (mm)

A	3.81	C	3.81	D	0.76
E	1.27	F	0.61	G	2.61
H	3.81	J	3.30	K	4.83
L	1.65	N	1.53	M	1.27
P	0.76	wt		0.15g	

Suggested PCB Layout



NOTES: 1. TRACE WIDTH IS SHOWN FOR ROGER'S RO4003 WITH DIELECTRIC THICKNESS 0.127 (5 MIL). 2. FOR OTHER MATERIALS TRACE WIDTH MAY NEED TO BE MODIFIED. 3. BOTTOM SIDE OF THE PCB IS CONTIGUOUS GROUND PLANE. 4. DENOTES PCB COPPER LAYOUT WITH SOLDER (SOLDER MASK OVER BASE COPPER). 5. DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK