

Ceramic RF Transformer

50Ω 1600 to 2600 MHz

TCN2-26+
TCN2-26



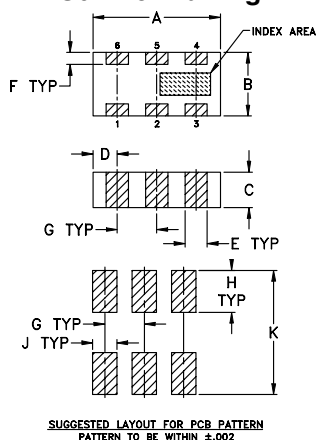
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Input RF Power**	5W
** derate linearly to 2.5 W at 100°C	

Pin Connections

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

Outline Drawing



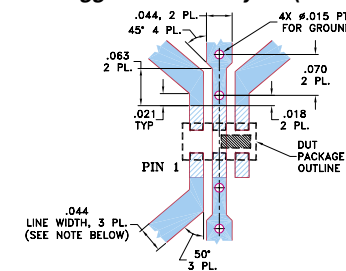
TOLERANCE UNLESS OTHERWISE STATED

- 2 PLACE DECIMALS: ±.01
3 PLACE DECIMALS: ±.005

Outline Dimensions (inch)

A	B	C	D	E	F	
.126	.063	.037	.024	.022	.012	
3.20	1.60	0.94	0.61	0.56	0.30	
G	H	J	K			wt
.039	.042	.024	.123			grams
0.99	1.07	0.61	3.12			.020

Demo Board MCL P/N: TB-287 Suggested PCB Layout (PL-163)



Features

- wideband, 1600 to 2600 MHz
- miniature size, 0.12"x.06"x.037"
- LTCC construction
- low cost

Applications

- PCS
- DECT
- ISM
- WIFI
- BLUE TOOTH
- PHS

CASE STYLE: FV1206-1
PRICE: \$1.99 ea. QTY (10-49)
\$1.69 ea. QTY (100)

+ RoHS compliant in accordance
with EU Directive (2002/95/EC)

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

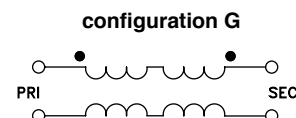
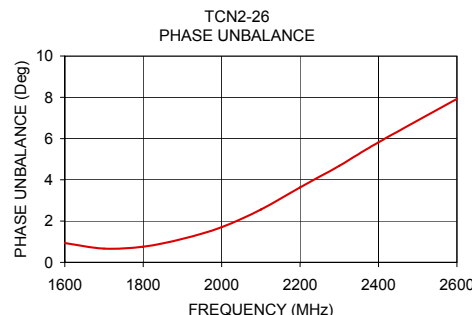
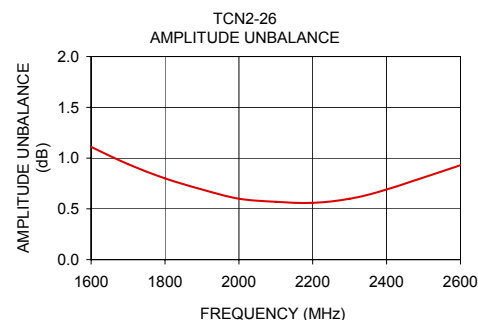
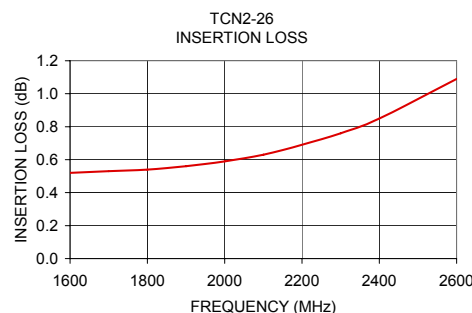
Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTION* LOSS (dB)	PHASE UNBALANCE (Deg.) Typ.	AMPLITUDE UNBALANCE (dB) Typ.
2	1600-1800	0.5	2.0	0.8
	1800-2000	0.5	3.0	0.5
	2000-2600	1.0	6.0	0.6

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

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
1600.00	0.52	23.40	1.11	0.94
1700.00	0.53	24.36	0.94	0.67
1800.00	0.54	23.96	0.80	0.76
1900.00	0.56	22.36	0.69	1.14
2000.00	0.59	20.40	0.60	1.71
2100.00	0.63	18.44	0.57	2.56
2200.00	0.69	16.59	0.56	3.63
2300.00	0.76	14.88	0.60	4.68
2400.00	0.85	13.34	0.69	5.82
2600.00	1.09	10.72	0.93	7.92



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