



CASE STYLE: FV1206-1

Maximum Ratings

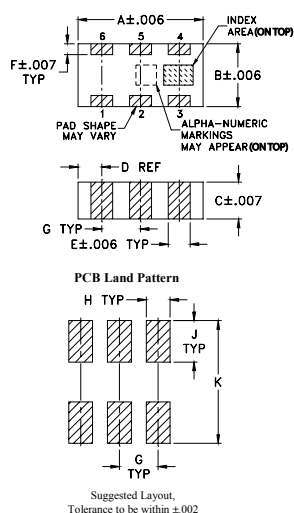
Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

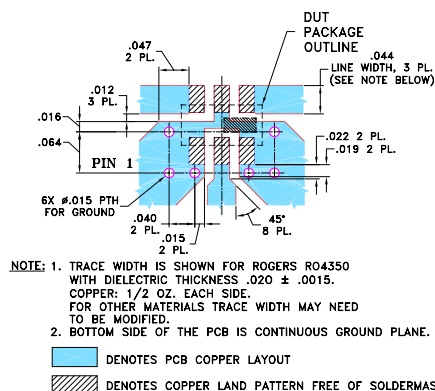
Input RF Power** 5W

**From 85°C derate linearly to 2.5W at 100°C
Permanent damage may occur if any of these limits are exceeded.**Pin Connections**

PRIMARY DOT	2
PRIMARY(GND)	1,3
SECONDARY DOT	4
SECONDARY	6
GROUND	5

Outline Drawing**Outline Dimensions (inch)**

A	B	C	D	E	F
.126	.063	.035	.024	.022	.011
3.20	1.60	0.89	0.61	0.56	0.28
G	H	J	K	wt	
.039	.024	.042	.123	grams	
0.99	0.61	1.07	3.12	.020	

**Demo Board MCL P/N: TB-298
Suggested PCB Layout (PL-162)****Notes**

A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.

B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.

C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp**Features**

- wideband, 1200 to 2200 MHz
- low phase unbalance
- miniature size, 0.12"x.06"x.037"
- LTCC construction
- low cost
- aqueous washable

Applications

- GSM
- CDMA
- GPS
- DECT
- PCN
- PCS
- ISM

Electrical Specifications (T_{AMB}=25°C)

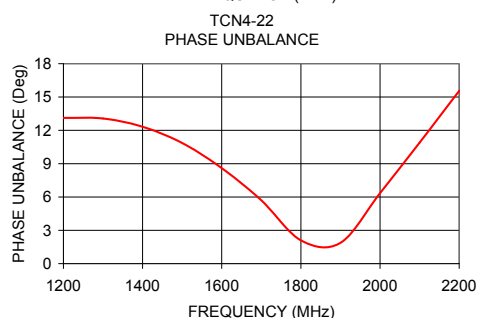
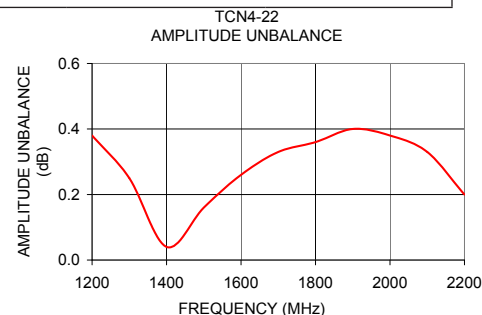
Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION* LOSS (dB)	PHASE UNBALANCE (Deg.) Typ.	AMPLITUDE UNBALANCE (dB) Typ.
4	1200-2200	1.0	10	0.6

* Insertion Loss is referenced to mid-band loss, 0.9 dB

† Relative to 180°

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
1200.00	0.55	12.54	0.38	13.12
1300.00	0.64	13.68	0.25	13.07
1400.00	0.73	14.80	0.04	12.32
1500.00	0.81	15.52	0.16	10.86
1600.00	0.90	15.33	0.26	8.60
1700.00	1.00	14.39	0.33	5.70
1800.00	1.10	13.02	0.36	2.10
1900.00	1.23	11.67	0.40	1.87
2000.00	1.35	10.47	0.38	6.35
2100.00	1.47	9.46	0.33	10.89
2200.00	1.55	8.60	0.20	15.55

**configuration J**