

Very Wideband RF Choke

50Ω 50 to 8200 MHz

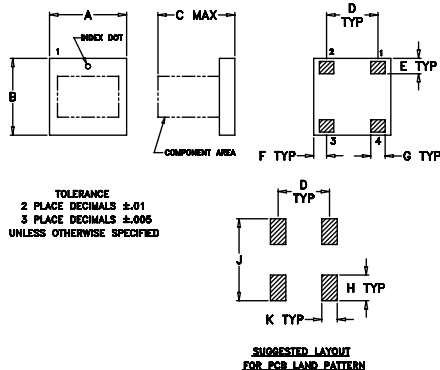
Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
DC Current	200 mA

Pin Connections

RF-IN & DC	1
DC	3
NOT USED	2,4

Outline Drawing

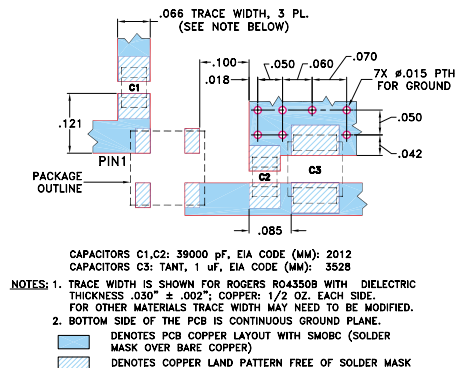


Outline Dimensions (inch/mm)

A	B	C	D	E	F	G
.150	.150	.150	.100	.030	.025	.028
3.81	3.81	3.81	2.54	0.76	0.64	0.71

H	J	K	wt
.050	.160	.030	grams
1.27	4.06	0.76	0.10

Demo Board MCL P/N: TB-272 Suggested PCB Layout (PL-147)



Features

- very broadband
- miniature size, 0.15"x0.15"
- low parasitic capacitance 0.1 pf typ.
- effective parallel resistance, Rch 500 ohm typ.
- usable up to 10GHz
- aqueous washable
- patent pending

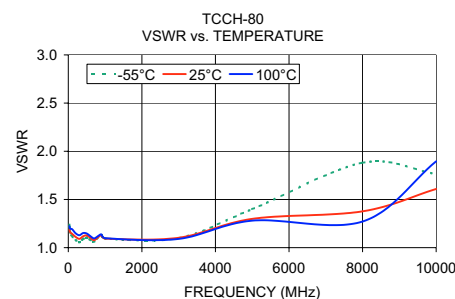
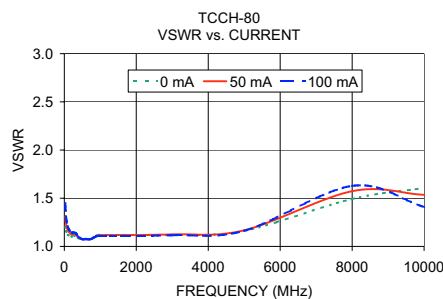
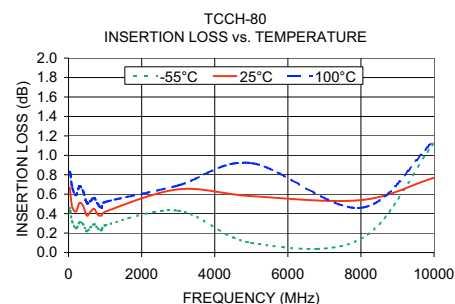
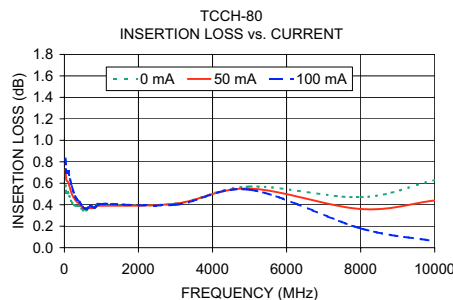
Applications

- biasing amplifiers
- biasing of laser diodes
- biasing of active antennas

Electrical Specifications @ 25°C

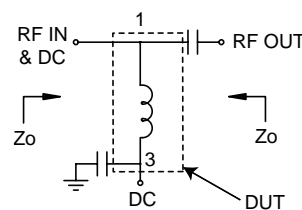
FREQ. RANGE (MHz)	INSERTION LOSS* (dB)	VSWR* (:1)	DC CURRENT (mA)	INDUCTANCE (μH) Typ.
	Typ. Max.	Typ. Max.	Max.	@ 0mA @ 50mA @ 100mA
50-8200	0.5 1.1	1.1 1.7	100	4 1.3 0.9

*tested with circuit shown below, Zo=50 ohms



electrical schematic

TEST CIRCUIT*



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