

50Ω, DC to 1680 MHz

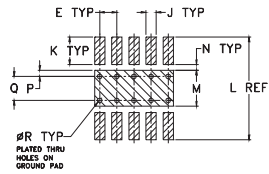
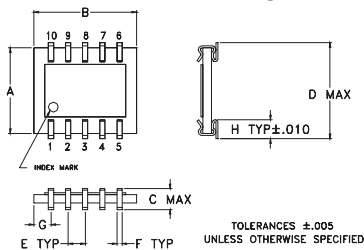
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 125°C
RF Power Input	10W max.

Pin Connections

IN	3
OUT	8
GROUND	1,2,4,5,6,7,8,10

Outline Drawing



Outline Dimensions (inch/mm)

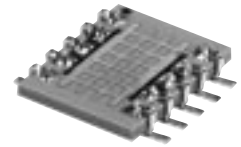
A	B	C	D	E	F	G	H	J
.250	.300	.070	.320	.050	.015	.050	.075	.030
6.35	7.62	1.78	8.12	1.27	.38	1.27	1.91	.76
K	L	M	N	P	Q	R		wt.
.095	.330	.100	.020	.015	.070	.014		grams
2.41	8.38	2.54	.51	.38	1.78	.36		.3

Features

- excellent rejection, 20 dB at 1.50 f_3 dB and 40 dB at 1.87 to 2.19 f_3 dB
- low height, 0.70" max.
- excellent temperature stability
- low cost

Applications

- power amplifiers/base stations
- low noise amplifiers
- wide band noise reduction
- image/harmonic rejection
- test equipment



CASE STYLE: SM1L
PRICE: \$6.95 ea. QTY.: (10-49)

Electrical Specifications ($T_{AMB} = -55^\circ\text{C}$ to 100°C)

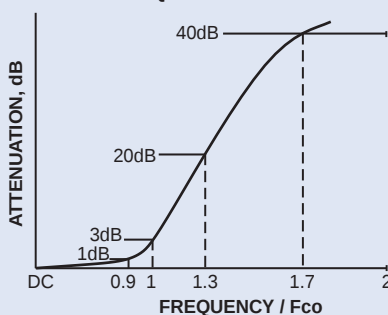
MODEL NO.	PASSBAND (MHz) (loss < 1 dB)	fco, MHz Nom. (loss 3 dB) Typ.	STOP BAND (MHz)		VSWR (:1) Passband Typ.
			(loss > 20dB) Min.	(loss > 40dB) Min.	
LPCA-1750	DC-1680	1870	2800-3500	3500-4100	1.4

Typical Performance Data at 25°C

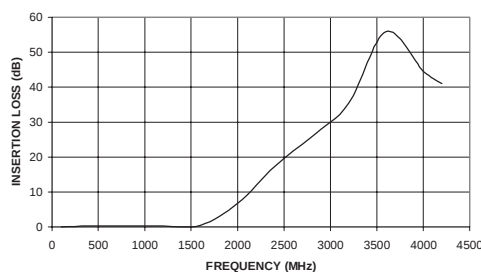
FREQUENCY (MHz)	INSERTION LOSS (dB)	VSWR
100.00	0.06	1.08
400.00	0.20	1.30
800.00	0.30	1.33
1200.00	0.31	1.08
1600.00	0.51	1.08
2000.00	6.71	9.63
2400.00	17.29	49.64
2800.00	25.87	46.96
3200.00	35.40	41.37
3600.00	55.85	40.41
4000.00	44.48	38.61
4200.00	41.10	43.44

Patent pending

LOW PASS TYPICAL FREQUENCY RESPONSE



LPCA-1750 INSERTION LOSS



LPCA-1750 VSWR

