

Features

- rugged welded case, hermetic
- other standard and custom PLP models available with wide selection of fco

Applications

- test equipment
- lab use
- transmitters/receivers
- military/hi-rel applications

HT-PLP-450+



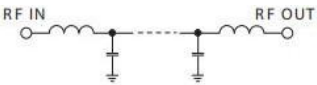
50Ω DC to 400 MHz

Maximum Ratings

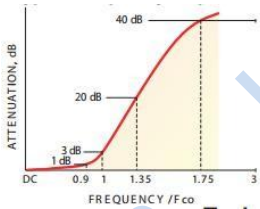
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	0.5W max.

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

electrical schematic



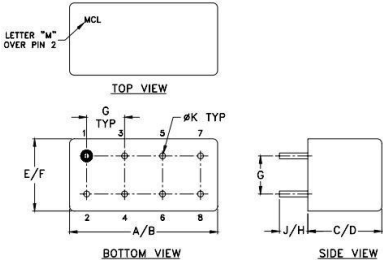
typical frequency response



Pad Connections

INPUT	1
OUTPUT	8
GROUND	2,3,4,5,6,7
CASE GROUND	2,3,4,5,6,7

Outline Drawing



Outline Dimensions: Unit (mm)

A	19.56	B	20.32	C	9.78
D	10.16	E	9.40	F	10.16
G	5.08	H	5.08	J	3.56
K	0.79	wt		5.2	

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

PASSBAND (MHz)	fco (MHz) Nom.	STOPBAND (MHz)		VSWR (:1)	
		(Loss>20dB)	(Loss>40dB)	Passband Typ.	Stopband Typ.
DC-400	440	580-750	750-1800	1.7	18

Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)		Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	X	σ			
10.00	0.02	0.1	42.4	10.00	1.96
80.00	0.06	0.1	33.6	80.00	2.10
147.50	0.10	0.1	28.3	147.50	2.16
217.50	0.19	0.1	21.0	217.50	2.27
285.00	0.25	0.1	21.4	285.00	2.60
355.00	0.46	0.1	16.3	355.00	3.25
400.00	0.63	0.1	18.0	400.00	4.26
420.00	1.01	0.1	12.8	410.00	4.76
440.00	2.84	0.2	5.2	420.00	5.32
545.00	26.52	0.9	0.4	430.00	5.87
555.00	28.57	0.9	0.3	440.00	5.99
565.00	30.55	1.0	0.3	545.00	1.52
570.00	31.51	1.0	0.3	550.00	1.28
575.00	32.52	1.0	0.3	555.00	1.45
580.00	33.47	1.0	0.3	560.00	1.42
590.00	35.44	1.0	0.3	565.00	1.12
620.00	40.86	1.1	0.2	570.00	0.88
680.00	51.19	1.6	0.2	575.00	1.20
700.00	54.79	1.8	0.1	580.00	1.11
720.06	57.91	1.2	0.1	590.00	1.48
750.00	62.99	2.7	0.2	600.00	1.67
975.00	69.53	2.1	0.1	620.00	0.93
1112.50	78.46	9.9	0.1	640.00	1.24
1250.00	68.87	2.9	0.1	680.00	0.64
1387.50	69.76	8.2	0.1	700.00	0.62
1525.00	70.50	5.6	0.1	720.00	0.59
1592.50	68.09	0.9	0.1	750.00	0.58
1662.50	71.23	4.9	0.1	975.00	0.56
1730.00	72.22	6.0	0.1	1042.50	0.53
1800.00	67.80	4.1	0.1	1112.50	0.52

