

Band Pass Filter

BPF-EDU1952

Surface Mount

Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.

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99-01-OPU518

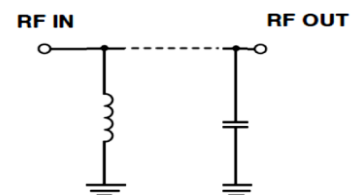
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C

Parameter	Min.	Typ.	Max.	Units
Passband (Loss - 6 dB Typ)	95		101	MHz
Centre frequency		98		MHz
Low Band (Loss > 20 dB)	DC	88		MHz
High Band (Loss > 20 dB)		108	2000	MHz
Passband VSWR		2		(:1)
Stopband VSWR		20		(:1)

Functional Schematic

MAXIMUM RATINGS

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input	0.1 W



PIN CONNECTIONS

Input	1
Output	6
Ground	2,3,4,5,7,8,9,10

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)	FREQUENCY (MHz)	GROUP DELAY (nsec)
1.0	87.52	0.04	95.0	121.68
10.0	72.92	0.04	95.2	117.55
20.0	66.92	0.03	95.4	113.74
50.0	57.39	0.06	96.0	104.27
65.0	53.93	0.09	96.6	97.73
70.0	52.86	0.11	97.0	94.75
88.0	61.47	0.90	97.2	93.55
90.6	31.01	2.22	97.8	90.97
91.8	19.82	4.38	98.0	90.31
95.0	5.71	16.47	98.2	89.72
98.0	4.57	13.64	98.4	89.22
101.0	5.21	10.50	98.6	88.72
106.0	20.77	3.70	98.8	88.28
107.2	30.77	2.08	99.0	87.92
108.0	38.20	1.55	99.2	87.56
120.0	75.35	0.24	99.4	87.34
250.0	71.25	0.07	99.6	87.22
450.0	77.29	0.05	99.8	87.20
700.0	54.70	0.04	100.0	87.35
900.0	48.51	0.02	100.2	87.65
1200.0	45.72	0.01	100.4	88.23
1500.0	41.21	0.03	100.6	88.99
1750.0	37.41	0.07	100.8	89.98
2000.0	33.02	0.14	101.0	91.27

Typical Performance Curves

