

Coaxial

Low Pass Filter

50Ω Flat Time Delay DC to 23 MHz

Maximum Ratings

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

Features

- flat group delay for low pulse distortion
- rugged shielded case
- other SBLP models available with wide selection of cut-off frequencies

Applications

- linear modulation techniques
- voice transmission applications
- digital communications

SBLP-39+ SBLP-39



CASE STYLE: FF99

Connectors	Model	Price	Qty.
SMA	SBLP-39(+)	\$38.95 ea.	(1-9)

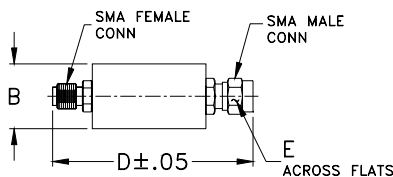
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Low Pass Filter Electrical Specifications

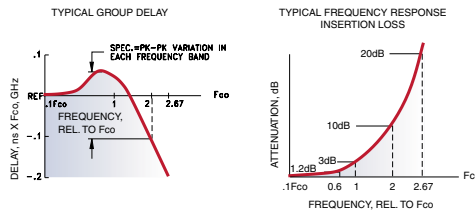
PASSBAND (MHz)	fco, MHz Nom.	STOPBAND (MHz)	VSWR (:1)	GROUP DELAY VARIATION (nsec)
(loss < 1.2 dB) Min.	(loss 3 dB)	(loss > 10 dB) (loss > 20 dB)	DC-0.2fco DC-0.6fco	DC-fco DC-2fco DC-2.67fco
DC-23	39	78-117 117	1.3:1 2.3:1	0.7 4.0 5.0

Outline Drawing

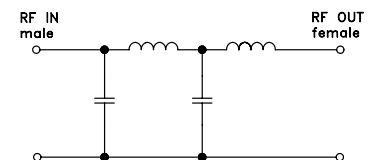


Outline Dimensions (inch mm)

B	D	E	wt
.67	1.98	.312	grams
17.02	50.29	7.92	42.0

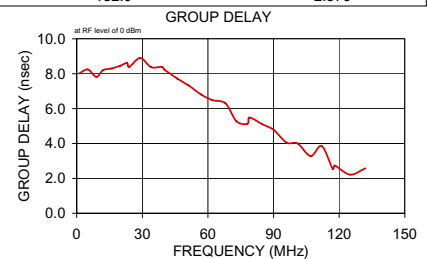
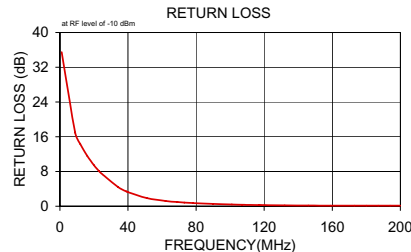


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	$\bar{x}$	σ		
1.0	0.02	0.00	1.0	8.012
9.0	0.14	0.00	5.0	8.243
12.0	0.23	0.01	9.0	7.823
16.0	0.38	0.01	12.0	8.199
20.0	0.60	0.02	16.0	8.305
23.0	0.82	0.02	20.0	8.466
24.0	0.91	0.02	23.0	8.623
34.0	2.11	0.03	24.0	8.392
39.0	2.95	0.04	29.0	8.899
40.0	3.14	0.04	34.0	8.378
51.0	5.48	0.06	39.0	8.392
62.0	8.15	0.07	40.0	8.247
69.0	9.69	0.08	46.0	7.722
73.0	11.00	0.09	51.0	7.336
78.0	12.33	0.10	57.0	6.804
79.0	12.60	0.10	62.0	6.487
90.0	15.56	0.13	68.0	6.306
101.0	18.53	0.15	73.0	5.277
107.0	20.14	0.16	78.0	5.124
112.0	21.46	0.16	79.0	5.489
117.0	22.76	0.17	85.0	5.101
118.0	23.02	0.17	90.0	4.784
132.0	26.55	0.17	96.0	4.054
146.0	29.88	0.17	101.0	3.996
159.0	32.80	0.17	107.0	3.275
173.0	35.76	0.16	112.0	3.856
180.0	37.17	0.15	117.0	2.547
187.0	38.55	0.16	118.0	2.738
194.0	39.89	0.15	125.0	2.216
200.0	41.00	0.16	132.0	2.576



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