

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Coaxial

Low Pass Filter

SLP-15+

50Ω DC to 15 MHz



CASE STYLE: FF99

Connectors	Model
SMA	SLP-15+

+RoHS Compliant

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

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.

Features

- good attenuation rate, 1.35 typ. 20dB/ 3dB BW ratio
- rugged shielded case
- other SLP models available with wide selection of cut-off frequencies

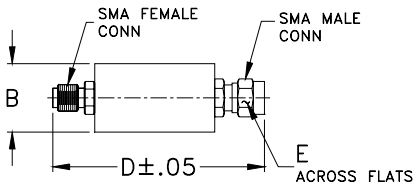
Applications

- lab use
- test equipment
- video equipment

Low Pass Filter Electrical Specifications

PASSBAND (MHz)	fco (MHz) Nom.	STOPBAND (MHz)		VSWR (:1)	
				Passband Typ.	Stopband Typ.
(loss < 1 dB)	(loss 3 dB)	(loss > 20 dB)	(loss > 40 dB)		
DC-15	17	23-32	32-200	1.7	18

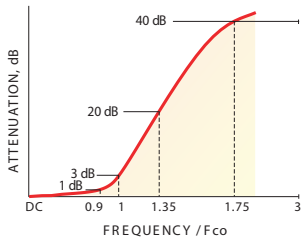
Outline Drawing



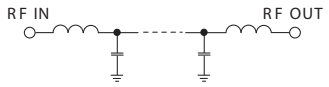
Outline Dimensions (inch / mm)

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

typical frequency response



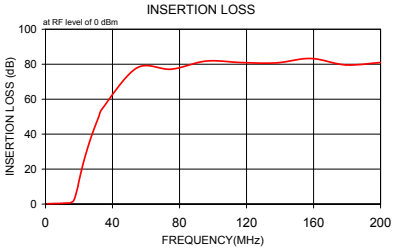
electrical schematic



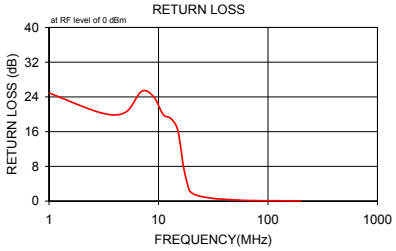
Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) x̄	Insertion Loss (dB) σ	Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
1.00	0.21	0.04	24.91	1.00	48.07
3.00	0.26	0.04	20.32	1.10	47.91
5.00	0.30	0.04	20.46	1.30	48.21
7.00	0.33	0.05	25.27	1.40	47.67
9.00	0.38	0.05	24.09	1.60	48.07
11.00	0.47	0.07	20.00	1.80	47.68
13.00	0.58	0.07	19.00	2.00	48.30
15.00	0.81	0.06	16.36	2.30	48.44
17.00	2.32	0.37	7.61	2.50	48.37
19.00	8.82	0.63	2.63	2.90	48.63
19.80	12.25	0.57	2.04	3.20	48.63
20.60	15.66	0.53	1.72	3.60	48.80
21.40	18.93	0.50	1.51	4.00	48.88
22.20	22.02	0.48	1.36	4.60	49.48
23.00	24.94	0.48	1.25	5.10	49.49
23.80	27.72	0.47	1.15	5.80	50.43
25.40	32.87	0.50	0.99	6.50	50.77
27.10	37.90	0.60	0.86	7.30	51.87
28.70	42.24	0.70	0.76	8.20	53.05
30.40	46.55	0.86	0.67	9.30	54.47
32.00	50.45	1.02	0.60	10.40	56.61
33.60	54.18	1.48	0.55	11.70	60.33
54.40	77.82	6.04	0.22	13.10	66.08
75.20	77.17	4.69	0.12	15.00	80.27
96.00	81.80	4.39	0.09	17.00	100.53
116.80	80.95	4.80	0.08	18.80	81.42
137.60	80.75	3.87	0.07	21.10	43.84
158.40	83.26	4.95	0.07	23.00	28.31
179.20	79.58	3.64	0.06	26.60	15.72
200.00	80.96	5.21	0.06	30.00	10.37

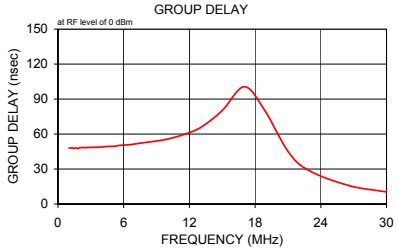
INSERTION LOSS



RETURN LOSS



GROUP DELAY



Notes

A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp

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