Low Pass Filter

ZX75LP-83+

50 Ω DC to 83 MHz

The Big Deal

- · High rejection
- Low Insertion loss, 1.4 dB typical in passband
- · Fast roll-off
- Good VSWR
- Connectorized package



Product Overview

ZX75LP-83+ is a 50Ω low pass filter built in a connectorized package. Covering DC-83 MHz bandwidth, these units offer good matching within the passband and high rejection in stopband. This will find its applications in receivers and transmitters to suppress spurious emission and harmonics. It has repeatable performance across production lots and consistent performance across temperature.

Key Features

Feature	Advantages		
Low passband insertion loss	Suitable for high performance application		
Fast roll-off	Provides very good adjacent band rejection		
Connectorized package	The connectorized package is easy to interface with other devices and well suited for test setups		
Good VSWR	Provides good interface when used with other devices.		



For detailed performance spect & shopping online see web site

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicipality.com

Low Pass Filter

50Q DC to 83 MHz

ZX75LP-83+



CASE STYLE: KE1467

Connectors	Model	Price	Qty.
SMA-M\F	ZX75LP-83-S+	\$49.95 ea.	(1-9)

Flectrical Specifications at 25°C

Electrical opecinications at 20 0								
Pa	rameter	F#	F# Frequency (MHz) Min. Ty		Frequency (MHz) Min. Typ. Ma		Max.	Unit
	Insertion Loss	DC-F1	DC-83	_	1.4	2.0	dB	
Pass Band	Freq. Cut-Off	F2	93	_	3.0	_	dB	
	VSWR	DC-F1	DC-83	_	1.2	1.5	:1	
Stop Band	Rejection Loss	F3-F4	119-850	20	30	_	dB	
	VSWR	F3-F4	119-850	_	22	_	-1	

Maximum Ratings			
Operating Temperature	-40°C to 85°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.

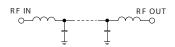
Features

- · High rejection
- · Low Insertion loss
- · Fast roll-off
- Good VSWR
- · Connectorized package

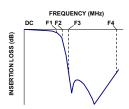
Applications

- Satellite
- · Wireless communications
- · Receivers / Transmitters

Functional Schematic



Typical Frequency Response



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

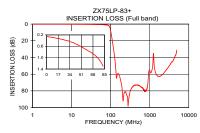
The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.



96.51

91.43

Typical Performance Data at 25°C

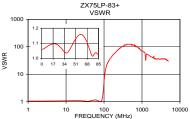


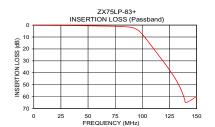
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750

815

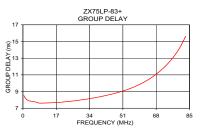




80

13 20

14.24





P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicipality.com IF/RF MICROWAVE COMPONENTS

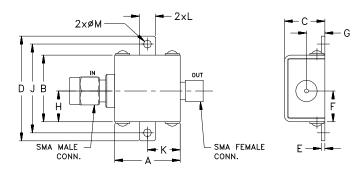
REV OR

Low Pass Filter ZX75LP-83+

Coaxial Connections

INPUT	SMA-Male
OUTPUT	SMA-Female

Outline Drawing



Outline Dimensions (inch)

G	F	E	D	С	В	Α
.21	.349	.04	1.18	.46	.75	0.74
5.33	8.86	1.02	29.97	11.68	19.05	18.80
wt		M	L	K	J	Н
grams		.09	.18	.37	1.00	.349
24.4		2.29	4.57	9.40	25.40	8.86