Coaxial

High Pass Filter

VHF-740+
VHF-740

50Ω 780 to 2800 MHz

CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VHF-740(+)	$24.95 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.

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	7W max.

** Passband rating, derate linearly to 3W at 100°C ambient.*

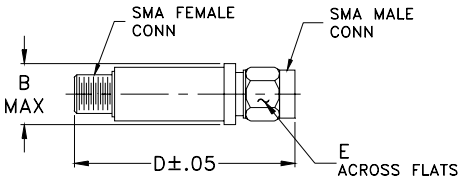
Features

- low cost
- small size
- 7 sections
- temperature stable
- excellent power handling, 7W

Applications

- sub-harmonic rejection and dc blocking
- transmitters/receivers
- lab use

Outline Drawing



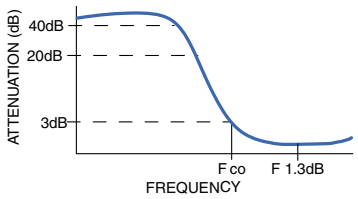
Outline Dimensions (inch / mm)

B	D	E	wt
.410	1.43	.312	grams
10.41	36.32	7.92	10.0

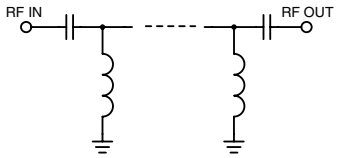
Electrical Specifications (T_{AMB}=25°C)

STOP BAND (MHz) Min.		fco, MHz Nom.	PASSBAND (MHz)		VSWR (:1) Typ.		NO. OF SECTIONS
		(loss 3 dB)	(loss < 1.3 dB)	(loss < 2 dB)		Frequency (MHz)	
(loss > 40 dB)	(loss > 20 dB)	Typ.	Max.	Typ.	Stopband	1.5:1	
430	550	740	900-2200	780-2800	20:1	780-1900	7

typical frequency response



electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1.00	94.42	1737.18
435.00	44.43	66.82
575.00	19.61	17.22
780.00	1.77	1.52
900.00	1.03	1.47
1500.00	0.50	1.07
1900.00	0.62	1.62
2200.00	0.94	2.27
3000.00	2.57	4.45
4000.00	5.72	8.47