

Coaxial High Pass Filter

50Ω 710 to 2490 MHz

VHF-650+
VHF-650



Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	7W max. at 25°C

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

Features

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

Applications

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

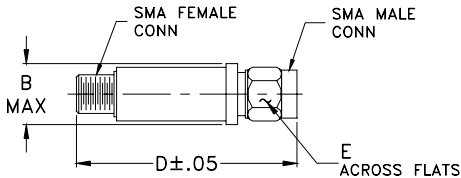
CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VHF-650(+)	\$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.

Outline Drawing



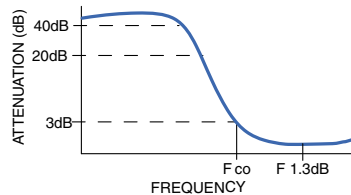
Outline Dimensions (inch/mm)

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

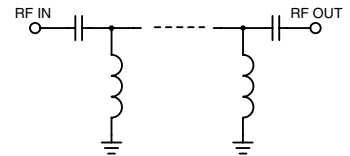
Electrical Specifications (T_{AMB}=25°C)

STOP BAND (MHz)		fco, MHz	PASSBAND (MHz)		VSWR (:1)	NO. OF SECTIONS
Min.		Nom.	(loss < 1.3 dB)	(loss < 2 dB)	Typ.	
(loss > 40 dB)	(loss > 20 dB)	Typ.	Max.	Typ.	Frequency (MHz)	
390	480	650	850-2000	710-2490	Stopband 1.5:1	7

typical frequency response



electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1.00	96.55	1737.18
390.00	45.42	56.04
480.00	26.09	24.48
665.00	2.98	2.04
710.00	1.84	1.59
760.00	1.34	1.48
850.00	1.02	1.54
1700.00	0.69	1.68
2000.00	1.09	2.39
2500.00	2.08	3.86
4000.00	6.96	10.75

