

Coaxial High Pass Filter

50Ω 2450 to 7000 MHz

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

VHF-2275+
VHF-2275



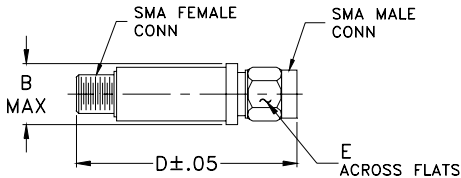
CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VHF-2275(+)	\$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



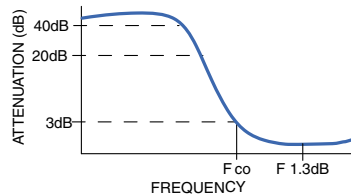
Outline Dimensions (inch/mm)

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

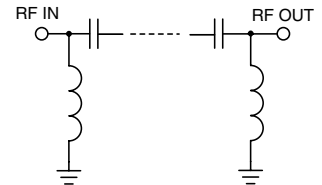
Electrical Specifications (T_{AMB}=25°C)

STOP BAND (MHz)		f _{co} , MHz	PASSBAND (MHz)		VSWR (:1)		NO. OF SECTIONS
Min.		Nom.	(loss < 1.3 dB)	(loss < 2 dB)	Typ.	Frequency (MHz)	
(loss > 40 dB)	(loss > 20 dB)	Typ.	Max.	Typ.	Stopband	1.5:1	
1400	1770	2275	2640-6230	2450-7000	20:1	2580-6000	7

typical frequency response

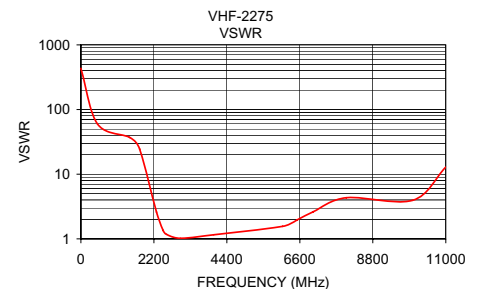
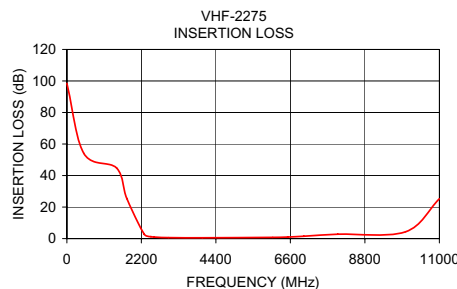


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1.00	98.51	434.30
500.00	54.08	59.91
1470.00	44.75	36.97
1770.00	25.43	24.48
2280.00	2.90	2.59
2480.00	1.26	1.35
2580.00	0.98	1.17
3000.00	0.64	1.02
4000.00	0.52	1.16
6080.00	0.75	1.56
6520.00	0.99	1.96
7000.00	1.51	2.61
8000.00	2.77	4.33
10000.00	4.28	3.95
11000.00	25.26	12.89



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REV. D
M98898
VHF-2275
EDR-6711/3
RVN/AD/CP
060908