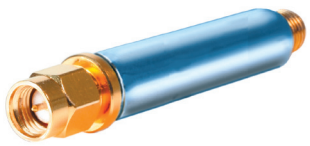
Coaxial

Bandpass Filter

VBFZ-925+

50Ω 800 to 1050 MHz



CASE STYLE: FF1145

Connectors	Model	Price	Qty.
SMA	VBFZ-925-S+	$39.95 ea.	(1-9)

Maximum Ratings

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

*Passband rating, derate linearly to 3W at 100°C ambient.
Permanent damage may occur if any of these limits are exceeded.

Features

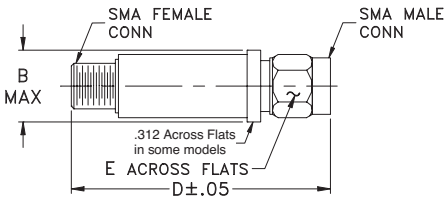
- Good Rejection, 30dB up to 18GHz
- Low insertion loss
- Excellent power handling, 7W
- Temperature stable LTCC internal structure
- Rugged stainless steel unibody
- Protected by US Patent 6,943,646

Application

- Harmonic rejection
- Transmitters/receivers
- Lab use
- Test instrumentation

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

Outline Drawing



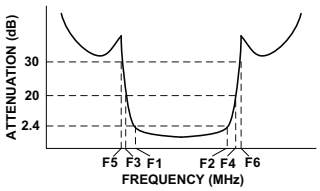
Outline Dimensions (inch / mm)

B	D	E	wt.
.410	**1.91**	**.312**	grams
10.41	48.51	7.92	11.8

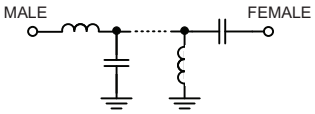
Bandpass Filter Electrical Specifications (T_{AMB}= 25°C)

CENTER FREQ. (MHz)	PASSBAND (MHz) (Loss < 2.4dB)	STOPBANDS (MHz) (Loss > 20dB)		(Loss 30dB Typ)		VSWR (:1) Passband		Stopband
Fc	F1 - F2	F3	F4	F5	F6	Typ.	Max.	Typ.
925	800 - 1050	530	1550	500	1620 - 18000	1.6	2.3	20

Typical Frequency Response



Functional Schematic

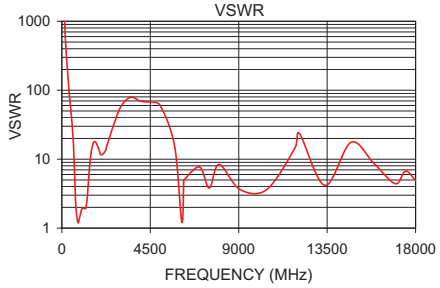


Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
10	82.20	5351.75
80	64.21	1835.80
250	57.35	237.24
500	31.16	37.91
530	25.79	29.70
595	15.40	15.05
643	8.76	7.03
670	5.89	4.29
702	3.60	2.48
800	1.68	1.22
925	1.64	1.51
1050	2.16	1.95
1275	5.42	2.40
1350	11.88	4.65
1435	21.92	9.23
1550	28.36	15.45
1620	30.79	17.53
3000	54.45	58.52
8000	54.31	8.38
18000	34.91	1.68

VBFZ-925+
INSERTION LOSS

VBFZ-925+
VSWR



REV. B
M131793
EDR-8445U
VBFZ-925+
URJ/RAV
121016