

Coaxial Bandpass Filter

50Ω 902 to 915 MHz

Maximum Ratings

Operating Temperature	-45°C to 70°C
Storage Temperature	-55°C to 100°C
RF Power Input	TBD W Max.

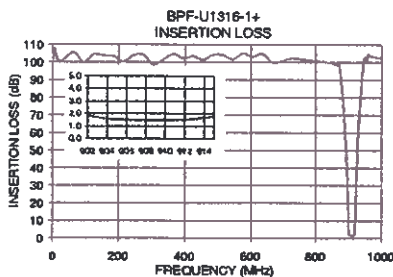
Coaxial Connections

IN	(SMA female)
OUT	(SMA female)

Outline Drawing



Outline Dimensions (Inch/mm)



Features

- High Rejection
- Excellent selectivity
- Good VSWR 1.2:1 Typ @ Passband

Applications

- CDMA band rejection for GSM Base station
- Transmitters / Recivers



CASE STYLE: TBD

Connectors	Model	Price	Qty.
SMA-FEMALE	BPF-U1316-1+	\$___ ea. (-.-)	

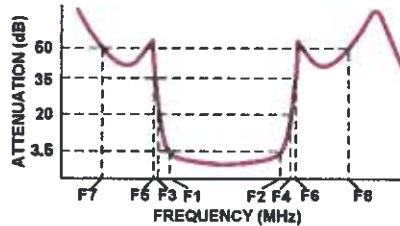
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

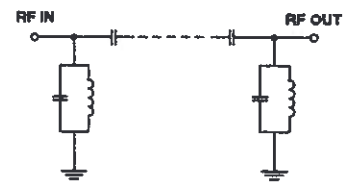
Bandpass Filter Electrical Specifications (T_{AMB} = 25°C)

CENTER FREQ. (MHz)	PASSBAND (MHz) (Loss < 2.5dB)	STOPBANDS (MHz)						VSWR (:1)		
		Loss > 20dB		Loss > 50dB		Loss > 70dB		Passband		Stopband
Fc	F1 - F2	F3	F4	F5	F6	F7	F8	Typ.	Max.	Typ.
909.5	902-915	895	923	888	929	DC-870	960-2700	1.2	1.3	20

Typical Frequency Response



Functional Schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)		Return Loss (dB)	Frequency (MHz)	Group Delay (nSec)
	\bar{x}	σ			
1	100.98	5.67	0.01	900	95.02
870	98.08	5.12	0.06	901	100.31
888	61.26	0.94	0.16	902	104.94
890	54.64	1.04	0.20	903	108.74
895	33.04	1.56	0.51	904	111.24
899	6.81	1.75	3.35	905	111.41
900	3.15	0.56	9.07	906	107.71
902	1.85	0.05	23.84	907	101.69
905.5	1.50	0.04	23.50	908	97.86
909.5	1.45	0.04	27.83	909	96.35
913	1.57	0.05	26.30	910	96.63
915	1.77	0.07	21.92	911	98.59
918.5	6.28	2.03	8.90	912	102.79
919.5	14.05	2.62	2.68	913	110.73
923	37.99	1.75	0.55	914	115.81
929	63.41	1.26	0.27	915	115.40
960	103.54	7.54	0.09	916	112.42
2700	100.78	6.38	0.13	917	108.16

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