



Features

- Low loss, 1.0 dB typical
- Good rejection 50 dB typical
- Excellent power handling, 6 W
- Temperature stable
- Connectorized package
- Rugged unibody construction

Applications

- Military radar applications
- Test and measurement
- Telecommunication and broadband wireless applications

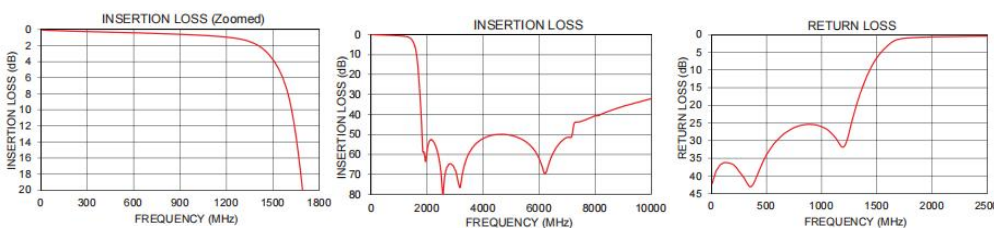
Electrical Specifications at 25°C

Parameter		F#	Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Insertion Loss	DC-F1	DC-1200	-	1.0	1.8	dB
	Freq.Cut-Off	F2	1470	-	3.0	-	dB
	VSWR	DC-F1	DC-1200	-	24	-	dB
Stop Band	Rejection Loss	F3-F4	1865-2000	20	50	-	dB
		F4-F5	2000-3700	40	50	-	dB
		F5-F6	3700-7000	28	40	-	dB
		F3-F6	7000-10000	-	30	-	dB

Typical Performance Data

(TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +25°C)

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
10	0.07	42.12
100	0.14	36.51
400	0.30	41.00
600	0.40	29.78
1000	0.67	26.07
1200	0.94	31.75
1300	1.23	21.58
1470	3.02	8.01
1650	13.39	1.87
1700	21.50	1.28
1750	31.72	1.03
1865	58.83	0.78
1900	59.68	0.73
2000	57.95	0.64
3700	55.26	0.39
5000	50.52	0.41
7000	51.55	0.45
8000	40.70	0.46
9000	35.93	0.46
10000	32.14	0.58

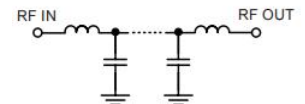


JY-VLFG-1200+

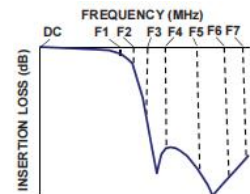


50Ω DC to 1200 MHz

Functional Schematic



Typical Frequency Response



Maximum Ratings

Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

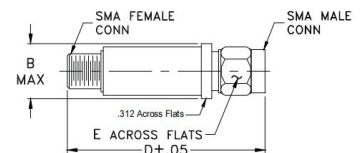
RF Power Input* 6 W max. at 25°C

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

Coaxial Connections

PORT - 1	SMA-Male
PORT - 2	SMA-Female

Outline Drawing



Outline Dimensions: Unit (mm)

B	10.41	E	7.92
D	36.32		
wt	10.0		