

THANK YOU FOR YOUR PURCHASE!



BPF - 33

The BPF-33 is a bandpass filter specifically for the 33cm band and Meshtastic service. The BPF-33 incorporates High-Q ceramic resonators that enables sharp rejection near the pass band. The BPF-33 maintains typical VSWR over the passband frequency range making the BPF-33 easier to integrate into receiver and transmitter RF chains with less concerns for in band frequency ripple.

Impedance: 50 Ohms

Maximum Power: 10W

Bandpass: 902MHz – 928MHz

VSWR: 1.10 – 1.12

Minimum Insertion Loss: 1.05dB

Case: Diecast Aluminum Alloy

Connectors: SMA, BNC or N

The seller assumes no liability for equipment damage resulting from misuse, abuse, negligence, or accidents.

Electrical Specifications at 25°C

Parameter		F#	Frequency (MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	—	—	—	915	—	MHz
	Insertion Loss	F1-F2	902.5-927.5	—	1.10	2.00	dB
	VSWR	F1-F2	902.5-927.5	—	1.24	2.10	:1
Stop Band, Lower	Insertion Loss	DC-F3	DC-830	20	27	—	dB
	VSWR	DC-F3	DC-830	—	20	—	:1
Stop Band, Upper	Insertion Loss	F4-F5	1005-1800	20	27	—	dB
	VSWR	F4-F5	1005-1800	—	20	—	:1

Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	Frequency (MHz)	Group Delay (nsec)
1.0	64.87	1222.18	902.5	10.72
500.0	84.13	145.00	904.0	10.64
800.0	40.38	44.34	905.5	10.59
824.0	30.32	34.89	907.0	10.53
830.0	27.49	32.18	908.5	10.50
844.0	19.94	23.90	910.0	10.45
860.0	9.73	9.94	911.5	10.44
872.0	3.03	2.57	913.0	10.41
900.0	1.11	1.18	914.5	10.42
902.5	1.10	1.17	915.0	10.42
915.0	1.05	1.12	916.5	10.42
927.5	1.08	1.10	917.5	10.44
952.0	3.25	3.08	919.0	10.47
967.0	10.30	13.63	920.5	10.49
988.0	20.69	38.69	922.0	10.54
1005.0	27.89	52.65	923.5	10.60
1012.0	30.70	54.70	925.0	10.68
1156.0	83.24	57.59	926.5	10.77
1500.0	74.93	48.46	927.0	10.81
1800.0	58.15	46.15	927.5	10.84

