

6880 Series

Spectrum Cleanup Filter: 5.0MHz to 150 MHz



- Proportional bandwidth 2-pole crystal filter - 3dB passband & 15dB stopband widen proportional to center frequency
- Low SSB phase noise (-122dBc/Hz @ 10Hz offset, -132dBc/Hz @ 100Hz offset and -132dBc/Hz @ 1000Hz offset)
- Applications where clock/timing chain signal noise reduction is primary goal

Ordering Information

Product Series

Designator

Blank=F (Through Hole)

See chart for correct designator or contact the factory for additional connector types

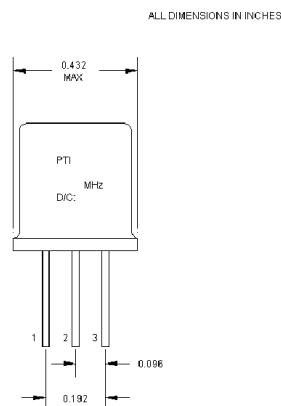
Frequency

(Customer Specified)

6880 VBB 00.000 Mhz

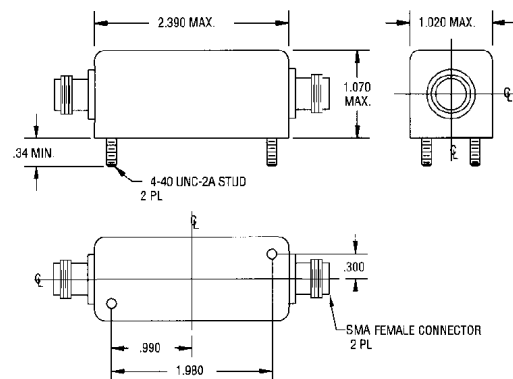
The ordering convention for a connectorized 6880 Series filters with SMA-Female connectors on both the input and output would be 6880VBM @ 100.00MHz. For other, most popular connector types, reference the table and for others not listed consult the factory.

Designator	Connector Set (Input & Output)	Designator	Connector Set (Input & Output)
VBB	BNC-Female & BNC-Female	VBP	RCA- Female & RCA- Female
VBC	UHF- Female & UHF- Female	VBR	N- Female & N-Male
VBI	OSM-212 & OSM-212	VBU	F- Female & F- Female
VBL	TNC- Female & TNC- Female	VBV	SMC- Female & SMC- Female
VBM	SMA- Female & SMA- Female	VBW	UHF- Female & S)-239
VBN	N- Female & N- Female	VBX	N-Male & N-Male
VBO	BNC-Male & BNC- Female	VBZ	PL-259 and SO-239



PIN #2 IS CASE GROUND

6880 F Package
(2 pole F case)



6880 Connectorized Package
(50Ω Terminated)

Center Frequency Range (F _{ON})	Passband @ 3dB	Stopband @ 15dB	Insertion Loss (dB)	Amplitude Ripple (dB)	Operating Temperature
5.0MHz to 150.0MHz	±75ppm x F _{ON} (in MHz)	±375ppm x F _{ON} (in MHz)	2.0 to 6.0	1.0	0°C to +75°C

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