SF Series 250-6000 MHz DC Blocked Filter

SF Series 250-6000 MHz

Multi-strike, dc blocked filter design without a gas tube; this device is engineered to protect expensive transmitters and receivers with a minimum of intermodulation noise.

SF-250 Series 250-6000 MHz

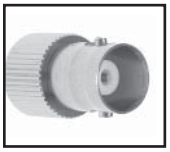
Part Number	*Turn On*	*Watts*	*Freq Range*
SF-250 (Ant)(Eqpt)	n/a	500	250-1000
	n/a	300	1000-4000
	n/a	100	4000-6000

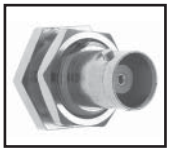
NOTES
These devices are directional and must be ordered antenna side connector first followed by the equipment side.

EXAMPLE
SF-250NFNM has the N/female connector on the antenna side and the N/male connector on the equipment side.

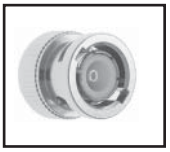
Special Order Connectors

Type	***Order Codes***					
	Female	Female Bulkhead	Male	RP Plug	RP Jack	RP Jack Bulkhead
BNC	BF	BI	BM	BL	BU	
Type N				NL	NU	NW
SMA	SF	SI	SM	SL	SU	SW
TNC	TF	TI	TM	TL	TU	TW


BNC/f
Prefix: BF


BNC/f blkhd
Prefix: BI

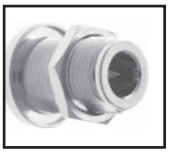

BNC/m
Prefix: BM

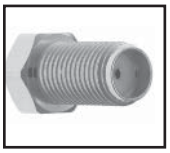

RPBNC/plug
Prefix: BL


RPBNC/jack
Prefix: BU


RPN/plug
Prefix: NL


RPN/jack
Prefix: NU


RPN/jack blkhd
Prefix: NW


SMA/f
Prefix: SF

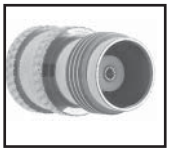

SMA/f blkhd
Prefix: SI

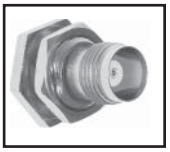

SMA/m
Prefix: SM


RPSMA/plug
Prefix: SL

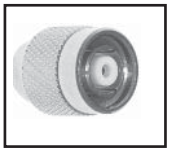

RPSMA/jack
Prefix: SU

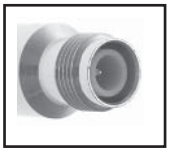

RPSMA/jack blkhd
Prefix: SW

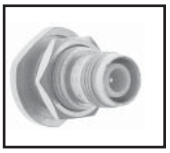

TNC/f
Prefix: TF


TNC/f blkhd
Prefix: TI

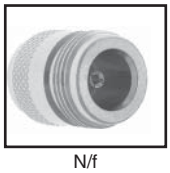

TNC/m
Prefix: TM

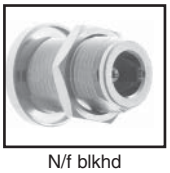

RPTNC/plug
Prefix: TL

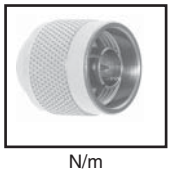

RPTNC/jack
Prefix: TU


RPTNC/jack blkhd
Prefix: TW

Standard Connectors


N/f
Prefix: N/f


N/f blkhd
Prefix: NI


N/m
Prefix: NM

Type:	DC Blocked Filter
Freq Range:	250-6000 MHz
Connectors:	Type N standard
VSWR:	<=1.2:1 typical; <=1.3:1 max
Insert Loss:	<0.10dB typical; <.30dB max
Return Loss:	<= -20dB typical
Surge:	10kA 1000-4-5 @ 8/20 µs waveform
Continuous Power:	300W, 250-1000 MHz
	100W, 1000-6000 MHz
Pass Voltage:	=/- 3 Volts, 3kA@ 8/20 µs waveform
Thruput Energy:	<=0.5µJ for 3kA@ 8/20 µs waveform
Temp:	-40°C to +85°C
Vibration:	1G @ 5-100 Hz
Weather:	IEC 60529 IP65

The above specifications are based upon standard "N" connectors. Special order connectors could present slightly different spec's at certain frequencies that may effect overall electrical performance.

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