

UHF Preselector Filter

400-520MHz

RXxxxx-1802-32 Series

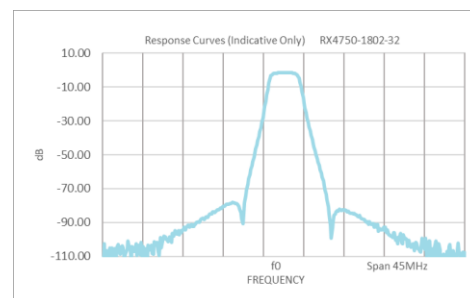


RFI's range of compact multi-resonator milled aluminium band pass receive preselector filters are ideal for use where space is restricted or at a premium and where a 19" rack mounting facility is available. The symmetrically sharp skirt response and low pass band insertion loss make these filters ideal for use as preselectors in receiver systems. DC grounding in the input/output ports provide natural voltage surge protection. The temperature stable resonators provide a wide operational temperature range ensuring important electrical specifications are maintained in extreme temperature conditions.



Features:

- Compact temperature stable design
- Typical Pass Band 1MHz to 1.5MHz
- Sharp symmetrical skirt selectivity response
- Low insertion loss ripple
- 2RU 19" Rack mount front panel
- Wide operational temperature range



Technical Specifications

Model Number		RXxxxx-1802-32				
Model Number Derivative - RXxxxx		4042	4245	4547	4750	5052
Type		Band Pass				
Tuneable Frequency Range MHz		400-420	420-450	450-470	470-500	500-520
Pass Bandwidth (typical) MHz		1		1.5		
In-Band Ripple (maximum) dB		0.6	0.3	0.6	1	
Insertion Loss (maximum) dB		2	1.8	2		
Attenuation (minimum) dB		80 @ F0±9MHz	70 @ F0±5.5MHz	60 @ F0±4.75MHz		
Input Power CW (maximum) W		100	10	100		
Impedance Ohms		50				
Return Loss (minimum) dB		20	18	20		
Termination Connectors		N(f)				
Temperature Range (operational) C / F		-30° to +60° / -22° to +140°				
Mounting Option		2RU 19" Rack mount front panel				
Finish		Painted Black				
Net Dimensions (Filter Only) mm / in	H	87 / 3.42	66 / 2.59	83 / 3.26		
	W	142 / 5.59	114.5 / 4.50	142 / 5.59		
	D	97 / 3.81	169 / 6.65	97 / 3.81		
Net Dimensions (Filter with Front Panel) mm / in	H	88.90 / 3.50				
	W	483 / 19				
	D	97 / 3.81	169 / 6.65	97 / 3.81		
Compliance		RoHS				

Ordering Information

Model Number	Description
RX4042-1802-32	Preselector Filter, Band Pass, 400-420MHz, 1MHz Pass Bandwidth, 100W, N(f), 2RU
RX4245-1802-32	Preselector Filter, Band Pass, 420-450MHz, 1MHz Pass Bandwidth, 10W, N(f), 2RU
RX4547-1802-32	Preselector Filter, Band Pass, 450-470MHz, 1.5MHz Pass Bandwidth, 100W, N(f), 2RU
RX4750-1802-32	Preselector Filter, Band Pass, 470-500MHz, 1.5MHz Pass Bandwidth, 100W, N(f), 2RU
RX5052-1802-32	Preselector Filter, Band Pass, 500-520MHz, 1.5MHz Pass Bandwidth, 100W, N(f), 2RU