

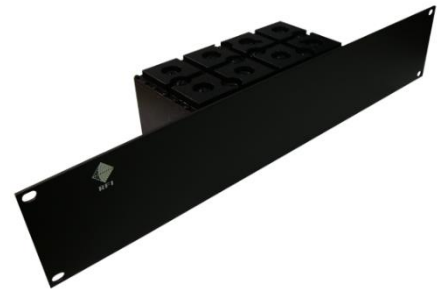
UHF Preselector Filter

380-520MHz

RXxxxx-1801-32 Series

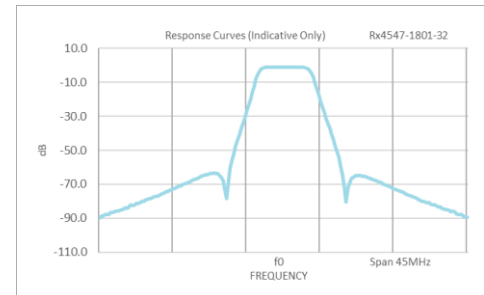


RFI's range of compact multi-resonator milled aluminium band pass receive preselector filters are ideal for use where space is restricted or at a premium and where a 19" rack mounting facility is available. The symmetrically sharp skirt response and low pass band insertion loss make these filters ideal 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 4.5MHz to 6.75MHz
- Sharp symmetrical skirt selectivity response
- Low insertion loss ripple
- 2RU 19" Rack mount front panel
- Wide operational temperature range



Technical Specifications

Model Number		RXxxxx-1801-32						
Model Number Derivative - RXxxxx		3840	4020	4245	4547	4748	4750	5052
Type		Band Pass						
Tuneable Frequency Range MHz		380-400	400-420	420-450	450-470	470-480	470-500	500-520
Pass Bandwidth (typical) MHz		4.5	6.75	4.5	5	4.5		
In-Band Ripple (maximum) dB		0.4	1	0.4	1			
Insertion Loss (maximum) dB		1.8	1.5	1.8	1.6	3	1.6	
Attenuation (minimum) dB		80 @ F0±7.25MHz	65 @ F0±8.37MHz	80 @ F0±7.25MHz	60 @ F0±7.25MHz	65 @ F0±3.95MHz	60 @ F0±7.25MHz	
Input Power CW (maximum) W		10	50	10	50	50	40	100
Impedance Ohms		50						
Return Loss (minimum) dB		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	68 / 2.67	87 / 3.42	68 / 2.67	87 / 3.42			
	W	223.5 / 8.79	106 / 6.29	223.5 / 8.79	142 / 5.59	332 / 13.07	142 / 5.59	
	D	114.5 / 4.50	187 / 7.36	114.5 / 4.50	97 / 3.81	137 / 5.39	97 / 3.81	
Net Dimensions (Filter with Front Panel) mm / in	H	88.90 / 3.50						
	W	483 / 19						
	D	114.5 / 4.50	187 / 7.36	114.5 / 4.50	97 / 3.81	137 / 5.39	97 / 3.81	
Compliance		RoHS						

Ordering Information

Model Number	Description
RX3840-1801-32	Preselector Filter, Band Pass, 380-400MHz, 4.5MHz Pass Bandwidth, 10W, N(f), 2RU
RX4042-1801-32	Preselector Filter, Band Pass, 400-420MHz, 6.75MHz Pass Bandwidth, 50W, N(f), 2RU
RX4245-1801-32	Preselector Filter, Band Pass, 420-450MHz, 4.5MHz Pass Bandwidth, 10W, N(f), 2RU
RX4547-1801-32	Preselector Filter, Band Pass, 450-470MHz, 4.5MHz Pass Bandwidth, 50W, N(f), 2RU
RX4748-1801-32	Preselector Filter, Band Pass, 470-480MHz, 5MHz Pass Bandwidth, 50W, N(f), 2RU
RX4750-1801-32	Preselector Filter, Band Pass, 470-500MHz, 4.5MHz Pass Bandwidth, 40W, N(f), 2RU
RX5052-1801-32	Preselector Filter, Band Pass, 500-520MHz, 4.5MHz Pass Bandwidth, 100W, N(f), 2RU