

PH2040E-2-2 Band Pass Preselector, Res-Lok, 2 MHz B.W., 155-174 MHz

Also referred as: PH2040E*1

- Rack, wall and floor mounting options - can also be used as a Rx filter
- Res-Lok construction reduces inter-cavity cabling
- Can be tuned over the 155-174 MHz frequency band

High "Q" 4-pole cavity Band Pass Pre-selector filter for use in either Tx or Rx applications. The 2 MHz pass band allows multiple Tx or Rx frequencies to be selected and provide attenuation to unwanted out of band frequencies.

Built using Sinclair Res-Lok aluminum cavity filter extrusion, the PH2040E band pass pre-selector filter is 19" rack-mountable (vertical orientation as illustrated) using adjustable front panel mounting brackets.

In Tx applications the PH2040E is designed to handle a number of relatively high power Tx channels and provide very good out of band isolation with a low insertion loss.

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Electrical Specifications

Frequency Range	MHz	155 to 174
Input VSWR (max)		1.5:1
Impedance	Ω	50
Average Power Input (max)	W	400
Input Connectors		N-Female
Output Connectors		N-Female
Approx Bandwidth @ 50 dB	MHz	12
Bandwidth at specified insertion loss	MHz	2
Insertion Loss (max) Tx to Ant	dB	1

Mechanical Specifications

Width	in (mm)	19 (483)
Depth	in (mm)	4.7 (119)
Length/ Height	in (mm)	31.5 (800)
Weight	lbs (kg)	26 (11.8)
Actual Shipping weight	lbs (kg)	50 (22.7)
Shipping dimensions	in (mm)	19x7x38 (483x178x965)
Mounting configurations		19 inch rack

Environmental Specifications

Temperature range	°F (°C)	-22 to +140 (-30 to +60)
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