

**PH2040E-1-2** Band Pass Preselector, Res-Lok, 2 MHz B.W., 138-155 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 138-155 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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Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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#### Electrical Specifications

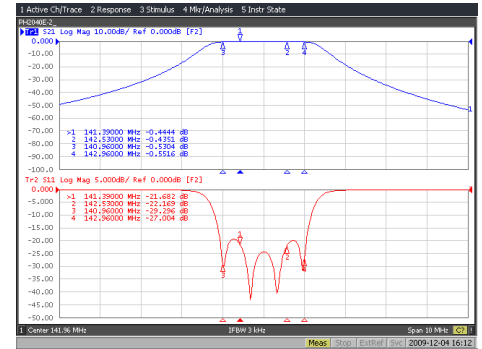
Frequency Range	MHz	138 to 155
Input VSWR (max)		1.5:1
Impedance	Ω	50
Average Power Input (max)	W	400
Input Connectors		N-Female
Output Connectors		N-Female
Approx Bandwidth @ 50 dB	MHz	12
Bandwidth at specified insertion loss	MHz	2
Insertion Loss (max) Tx to Ant	dB	1

#### 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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