

**PH2040E-1-2-PBK** Band Pass Preselector, Res-Lok, 2 MHz B.W., Black, 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
- Painted black

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

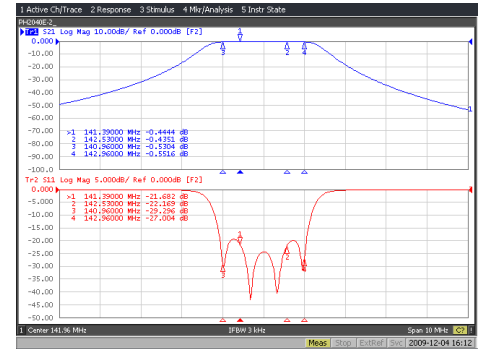
|                                       |     |            |
|---------------------------------------|-----|------------|
| Frequency Range                       | MHz | 138 to 155 |
| Input VSWR (max)                      |     | 1.5:1      |
| Impedance                             | Ω   | 50         |
| 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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Product Specification Sheet  
EPR 017466  
Customer Tech Manual 006346

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Dated: 13-11-12