

FP161R220/098-NMF N connectors, Pass 160-162 MHz, Reject 217-223 & 88-108 MHz

- Suitable for close frequency band signal isolation
- Designed for panel surface mount
- Compact construction with one N-male connector and one N-female connector
- 100 watts power handling capability

Sinclair's FPxxxRxxx-(C) series band pass / band reject lumped element filters are compact, making it convenient to be installed with other RF devices. These filters provide superior performance for channel isolation between close frequency bands. They can also be used both for transportation and base station.

Consult your Sinclair representative for further information and assistance in designing a band pass band reject filter to meet your specific requirements.



www.sinctech.com

| 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 (Pass Band) | MHz | 160 to 162 | |
| Frequency Range (Reject Band) | MHz | 217 to 223 | |
| Frequency Range (Reject Band 2) | MHz | 88 to 108 | |
| Bandwidth | MHz | 2 | |
| Pass band Insertion Loss (max) | dB | 0.7 | |
| Rejection level (min) | dB | 70 | |
| Input VSWR (max) | | 1.35:1 | |
| Impedance | Ω | 50 | |
| Average Power Input (max) | W | 100 | *1 |
| Input Connectors | | N-Male | |
| Output Connectors | | N-Female | |

Mechanical Specifications

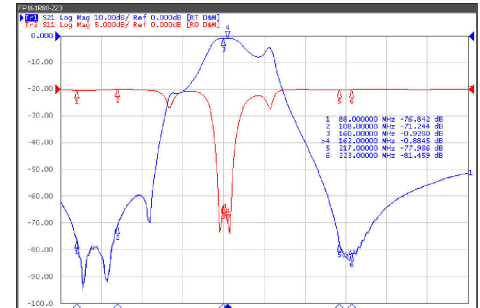
| | | | |
|----------------------|----------|--------------------|----|
| Height | in (mm) | 0.96 (24) | |
| Length | in (mm) | 4.83 (123) | *2 |
| Width | in (mm) | 1.46 (37) | |
| Net Weight | lbs (kg) | 0.2 (0.09) | |
| Mounting information | | Flange Mount | |
| Shipping dimensions | in (mm) | 9x6x3 (229x152x76) | |

Environmental Specifications

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

Notes

- *1 : when unit is secured to a metal surface
- *2 : excluding connectors



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