



EMR Corporation is an official licensed manufacturer of the products contained in this brochure.

UHF Transmit Filters 5044-8 SERIES

(Formerly RFS/Celwave PD5044-8 Series)

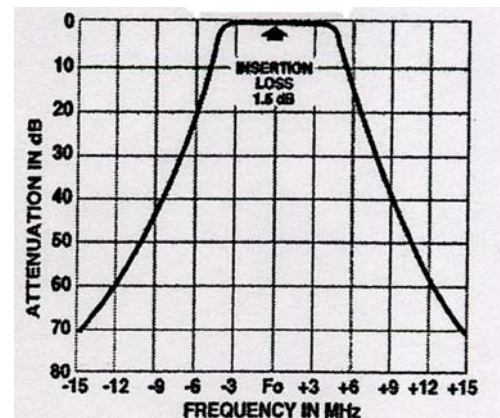
5044-8 SERIES

The 5044-8 Band Pass Filters are 6-cavity devices which provide band pass characteristics for both transmitter and receiver applications in the 800 MHz frequency bands. This product utilizes the superior RF conductivity of copper for excellent performance. The 5044-8 Series is capable of power requirements that average 600 watts. Both types of filters employ adjustable aperture coupling between resonators that are permanently fixed at the factory.

BENEFITS & FEATURES:

- **Temperature Compensated**
Ensures consistent performance across operating temperature range.
 - **Compact**
Minimizes rack space.
 - **High Isolation**
Minimizes receiver desense/ transmitter noise.
-
-

5044-8-2 Response Curve (Typical)
5 MHz Bandwidth
(806-960 MHz)



Model Number 5044-8-1



UHF TRANSMIT FILTERS

806 - 960 MHz

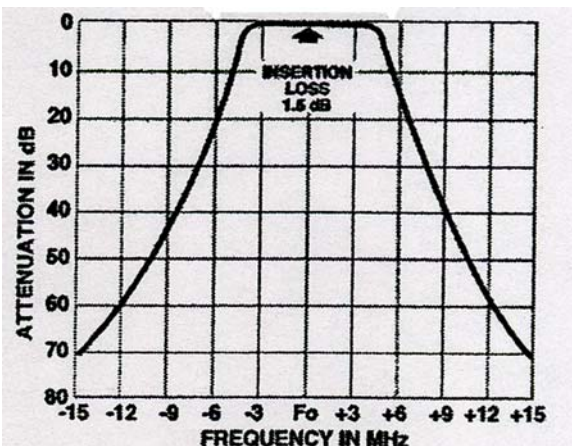
ELECTRICAL SPECIFICATIONS

Model Number	5044-8-1	5044-8-2	5044-8-3	5044-8-4	5044-8-5
Frequency Band	806-880	880-960	806-880	880-960	806-960
Bandwidth	5 MHz	5 MHz	10 MHz	10 MHz	20 MHz
Continuous Power Input, Max. - Watts	400	400	600	600	600
Insertion Loss - dB	1.5 dB	1.5 dB	1.2 dB	1.2 dB	0.8 dB
VSWR, Max. (50 ohms)	1.3:1	1.3:1	1.3:1	1.3:1	1.3:1
Temperature Range	- 22 to +140 °F - 30 to 60 ° C	- 22 to +140 °F - 30 to 60 ° C	- 22 to +140 °F - 30 to 60 ° C	- 22 to +140 °F - 30 to 60 ° C	- 22 to +140 °F - 30 to 60 ° C
Price	\$2,205.00	\$2,205.00	\$2,205.00	\$2,205.00	\$2,205.00

MECHANICAL SPECIFICATIONS

Connectors	N-Female	N-Female	N-Female	N-Female	N-Female
Mounts in 19" (483 mm) EIA Rack	Yes	Yes	Yes	Yes	Yes
Actual Dimensions (HxWxD)					
Inches	5 1/4x19x8	5 1/4x19x8	5 1/4x19x12 1/4	5 1/4x19x12 1/4	5 1/4x19x8
Metric	133x483x203	133x483x203	133x483x311	133x483x311	133x483x203
Ship Wt.					
lbs	13	13	16	16	13
kg	5.9	5.9	7.3	7.3	5.9

5044-8-2 Response Curve (Typical)
5 MHz Bandwidth
(806-960 MHz)



5044-8-3 Response Curve (Typical)
10 MHz Bandwidth
(806-960 MHz)

