

MMIC Reflectionless Band Pass Filter Die

XBF-163-D+

Typical Performance Data

Test Condition @ Temperature = +25°C

| FREQ. | INSERTION LOSS | INPUT RETURN LOSS | OUTPUT RETURN LOSS |
|-------|----------------|-------------------|--------------------|
| (MHz) | (dB) | (dB) | (dB) |
| 10 | 73.04 | 23.57 | 25.44 |
| 50 | 86.78 | 23.56 | 25.40 |
| 100 | 85.74 | 23.57 | 25.42 |
| 200 | 86.90 | 23.58 | 25.44 |
| 300 | 85.99 | 23.60 | 25.45 |
| 400 | 88.82 | 23.61 | 25.46 |
| 500 | 92.74 | 23.61 | 25.46 |
| 600 | 88.80 | 23.60 | 25.44 |
| 700 | 90.09 | 23.59 | 25.42 |
| 800 | 89.84 | 23.58 | 25.38 |
| 900 | 96.34 | 23.55 | 25.32 |
| 1000 | 89.27 | 23.53 | 25.25 |
| 2000 | 78.59 | 22.69 | 23.77 |
| 3000 | 66.63 | 20.96 | 21.42 |
| 4000 | 59.30 | 18.81 | 19.02 |
| 5000 | 55.03 | 16.71 | 16.84 |
| 6000 | 54.97 | 14.63 | 14.89 |
| 7000 | 62.84 | 12.90 | 13.37 |
| 8000 | 72.07 | 11.88 | 12.76 |
| 9000 | 54.01 | 13.56 | 15.05 |
| 10000 | 20.67 | 30.72 | 25.20 |
| 11000 | 8.17 | 22.16 | 20.94 |
| 12000 | 5.23 | 19.45 | 21.16 |
| 13000 | 4.29 | 24.82 | 28.27 |
| 14000 | 3.97 | 22.68 | 19.54 |
| 15000 | 4.01 | 15.70 | 14.33 |
| 15500 | 4.10 | 14.34 | 13.29 |
| 15600 | 4.13 | 14.20 | 13.21 |
| 15700 | 4.15 | 14.15 | 13.17 |
| 15800 | 4.17 | 14.15 | 13.20 |
| 15900 | 4.19 | 14.25 | 13.26 |
| 16000 | 4.21 | 14.36 | 13.40 |
| 16100 | 4.23 | 14.57 | 13.57 |
| 16200 | 4.25 | 14.84 | 13.81 |
| 16300 | 4.28 | 15.20 | 14.09 |
| 16400 | 4.31 | 15.60 | 14.44 |
| 16500 | 4.34 | 16.17 | 14.85 |
| 17000 | 4.57 | 20.44 | 17.70 |
| 18000 | 5.75 | 17.78 | 16.23 |
| 19000 | 8.34 | 16.77 | 15.40 |
| 20000 | 14.28 | 18.67 | 16.89 |
| 21000 | 26.54 | 17.49 | 15.88 |
| 22000 | 45.76 | 14.81 | 13.92 |
| 23000 | 54.03 | 14.05 | 13.91 |
| 24000 | 55.06 | 14.55 | 15.06 |
| 25000 | 55.00 | 15.70 | 16.85 |
| 26000 | 52.77 | 17.25 | 18.93 |
| 27000 | 51.19 | 19.03 | 20.93 |
| 28000 | 53.23 | 20.73 | 21.71 |
| 29000 | 52.15 | 22.08 | 21.09 |
| 30000 | 49.92 | 22.25 | 19.70 |
| 31000 | 51.18 | 21.12 | 18.24 |
| 32000 | 48.58 | 19.69 | 16.95 |
| 33000 | 49.66 | 17.84 | 15.66 |
| 34000 | 49.20 | 15.37 | 13.96 |
| 35000 | 46.40 | 12.85 | 12.85 |
| 36000 | 47.80 | 13.57 | 14.37 |
| 37000 | 50.12 | 13.66 | 14.95 |
| 38000 | 50.57 | 13.48 | 15.31 |
| 39000 | 50.36 | 13.41 | 15.76 |
| 40000 | 48.96 | 13.32 | 16.29 |



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

IF/RF MICROWAVE COMPONENTS

REV. OR
XBF-163-D+
8/21/2018
Page 1 of 1