



FLANN MICROWAVE

Low Pass Filters

Series 280

Features

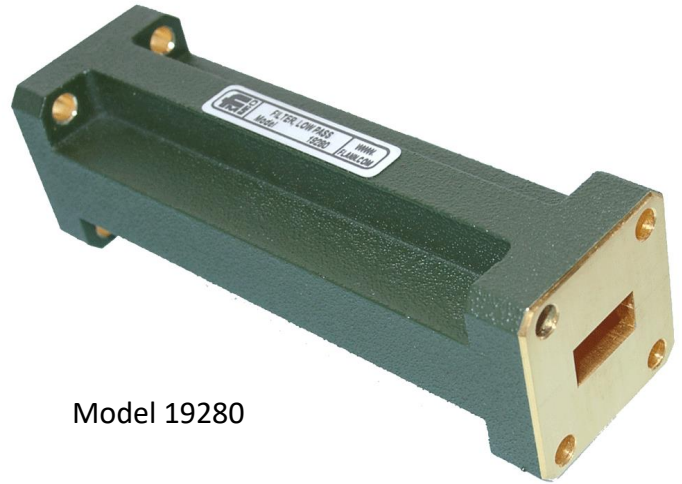
- 40 dB Stop Band Rejection
- Models Available from 2.6 GHz to 112 GHz.
- High Frequency Models Available on Request

Low pass filters simplify measurements in microwave systems and enhance system performance by effectively reducing undesirable signals, i.e., harmonics, to an acceptably low level.

All models provide a very wide 'stop band' of frequencies above the recommended waveguide band. The pass band VSWR is generally better than 1.5:1 and insertion loss less than 1.5 dB.

Filters of this type are particularly suitable for applications involving swept or slotted line measurements.

A range of standard models is available as detailed below. Customised and special models can be combined with other devices. For example, a low pass filter combined with waveguide to coax adaptor can also be supplied



Model 19280

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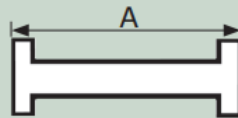


| Model | Waveguide | | | Passband Frequency Range (GHz) | Stop Band Frequency Range (GHz) | Stop Band Rejection (dB) | Maximum Insertion Loss (dB) | VSWR Generally better than | Dimension A (mm) |
|--------|-----------|-----|-----|--------------------------------|---------------------------------|--------------------------|-----------------------------|----------------------------|------------------|
| | WG | R | WR | | | | | | |
| 10280 | 10 | 32 | 284 | 2.60 - 3.95 | 5.20 - 11.85 | >40 | 0.5 | 1.15 | 500 |
| 11A280 | 11A | 40 | 229 | 3.22 - 4.90 | 6.60 - 14.70 | >40 | 0.5 | 1.15 | 450 |
| 12280 | 12 | 48 | 187 | 3.94 - 5.99 | 7.88 - 17.97 | >40 | 0.5 | 1.15 | 375 |
| 14280 | 14 | 70 | 137 | 5.38 - 8.18 | 10.76 - 24.54 | >40 | 0.5 | 1.15 | 250 |
| 15280 | 15 | 84 | 112 | 6.58 - 10.0 | 13.16 - 30.00 | >40 | 0.5 | 1.15 | 215 |
| 16280 | 16 | 100 | 90 | 8.20 - 12.5 | 16.40 - 37.50 | >40 | 0.5 | 1.15 | 160 |
| 17280 | 17 | 120 | 75 | 9.84 - 15.0 | 19.68 - 45.00 | >40 | 0.5 | 1.15 | 140 |
| 18280 | 18 | 140 | 62 | 11.9 - 18.0 | 23.80 - 54.00 | >40 | 0.5 | 1.15 | 110 |
| 19280 | 19 | 180 | 51 | 14.5 - 22.0 | 29.00 - 66.00 | >40 | 0.5 | 1.15 | 100 |
| 20280 | 20 | 220 | 42 | 17.6 - 26.7 | 35.20 - 80.10 | >40 | 0.5 | 1.15 | 80 |
| 21280 | 21 | 260 | 34 | 21.7 - 33.0 | 43.4 - 99.0 | >40 | 0.5 | 1.2 | 80 |
| 22280 | 22 | 320 | 28 | 26.4 - 40.1 | 52.80 - 120.3 | >40 | 0.75 | 1.2 | 60 |
| 23280 | 23 | 400 | 22 | 33.0 - 50.1 | 66.00 - 150.3 | >38 | 1.0 | 1.3 | 50 |
| 24280 | 24 | 500 | 19 | 39.3 - 59.7 | 78.60 - 179.1 | >38 | 1.0 | 1.3 | 50 |
| 25280 | 25 | 620 | 15 | 49.9 - 75.8 | 99.8 - 227.4 | >38 | 1.0 | 1.4 | 35 |
| 26280 | 26 | 740 | 12 | 60.5 - 92.0 | 102.5 - 184 | >40 | 0.6 | 1.5 | 15 |
| 27280 | 27 | 900 | 10 | 73.8 - 112 | 128 - 224 | >40 | 0.4 | 1.66 | 12 |

ORDERING INFORMATION

Model: Description

Example: Model 22280 Low pass filter



Models are available at higher frequency bands. Details upon request.

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Custom Design

Custom built instruments can be supplied; please contact the sales team for more information

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