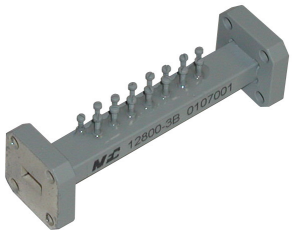
Microwave Filter Company, Inc.

Creating Filters and Components to 50 Ghz for Over 50 Years!

Ka-Band Bandpass Filter
Model 12800

The series 12800 bandpass filter removes interfering carriers from broadcast or receive frequencies in the 38 to 40 GHz frequency range.



Specifications:

Model	Passband (GHz)	Insertion Loss	Rejection	Return Loss
12800-1	38.750 - 38.950	1.0 dB Typ	35 dB Typ @ 38.300 & 39.400 GHz	16 dB
12800-2	39.450 - 39.650	2.0 dB Typ	15 dB Typ @ 39.350 & 39.750 GHz	16 dB
12800-3a	38.750 - 38.950	2.0 dB Typ	74 dB Typ @ 38.300 & 39.400 GHz	16 dB
12800-3b	39.450 - 39.650	2.5 dB Typ	74 dB Typ @ 39.000 & 40.100 GHz	18 dB
12800-4	38.750 - 38.950	1.5 dB Typ	60 dB Typ @ 38.300 & 39.400 GHz	16 dB
12800-5	39.450 - 39.650	1.0 dB Typ	15 dB Typ @ 39.400 & 39.700 GHz	16 dB

Common Specifications:

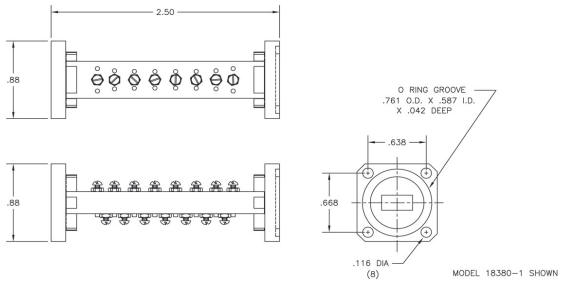
Operating Temperature: -45°C to +50°C
Flanges: WR-28 Cover

K-Band Receive Reject Filter
Model 18380

Designed for transmit applications, this filter provides deep rejection of the receive band with minimal effect on transmissions.

Specifications:

Passband:	27.5 - 31 GHz
Insertion Loss:	0.10 dB Typ
VSWR:	1.17:1 Max
Group Delay:	0.1 nS Max
Reject Band:	18.2 - 22 GHz
Rejection:	75 dB Min
Flanges:	See chart
Dimensions:	2.50" x 0.88" x 0.88" (63 mm x 22 mm x 22 mm)
Finish:	Flat Black Lacquer



- *For **WR28** Cover Flange Configuration - See model **18485***

Flange Configurations

Model #	Input	Output
18380	WR34 Flat Cover	WR28 Flat Cover
18480-1	WR34 Flat Cover	WR28 Grooved Cover

All MFC Products Designed and Manufactured in the USA

iK TECH CORPORATION

E-Mail: Sales@iktechcorp.com