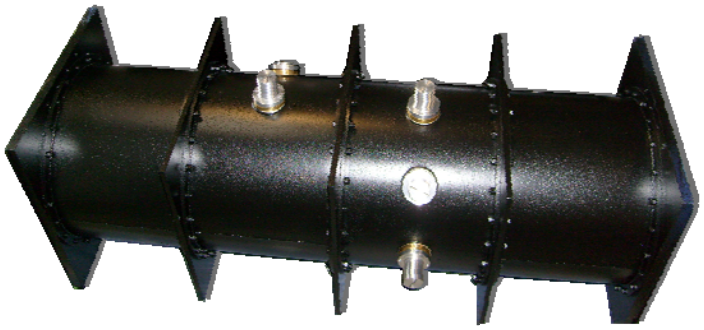
RWBE-UM

UHF Mask Filter

UHF 6 or 8-section dual mode Waveguide bandpass filter constructed with dual silver plated invar mode cavities. High isolation with very low insertion loss and a compact design is ideal for digital or analog performance.

- **Waveguide dual mode cavities**
- **High isolation**
- **Compact design**
- **Low loss**
- **Convection cooling**
- **Temperature stable**
- **Coaxial input/output**



Typical Specification - 6-Section ATSC		Typical Specification - 8-Section ATSC	
Max Average Power Capacity	25 kW	**Max Average Power Capacity**	25 kW
Mask Type	Non-Critical	**Mask Type**	Critical
Bandwidth (BW)	Fc ± 2.69 MHz.	**Bandwidth (BW)**	Fc ± 2.69 MHz.
Insertion Loss @ Fc	0.25 dB	**Insertion Loss @ Fc**	0.30 dB
Insertion Loss @ Fc ± 2.69 MHz.	0.35 dB	**Insertion Loss @ Fc ± 2.69 MHz.**	0.50 dB
VSWR over Fc ± 2.69 MHz.	1.10:1	**VSWR over Fc ± 2.69 MHz.**	1.10:1
Rejection @ Fc ± 3.5 MHz	8 dB	**Rejection @ Fc ± 3.5 MHz**	15 dB
Rejection @ Fc ± 4.0 MHz	18 dB	**Rejection @ Fc ± 4.0 MHz**	25 dB
Rejection @ Fc ± 9 MHz	36 dB	**Rejection @ Fc ± 9 MHz**	50 dB
Group Delay Variation (Max.) over Fc ± 2.69 MHz.	250 nsec.	**Group Delay Variation (Max.) over Fc ± 2.69 MHz.**	350 nsec.
Connectors	4-1/16" EIA Male	**Connectors**	4-1/16" EIA Male

RWBE-UHF

Typical Specification - 6-Section DVB-T	
Max Average Power Capacity	10 kW
Mask Type	Non-Critical
Bandwidth (BW)	Fc ± 3.80 MHz.
Insertion Loss @ Fc	0.25 dB
Insertion Loss @ Fc ± 3.80 MHz.	0.5 dB
VSWR over Fc ± 3.80 MHz.	1.12:1
Rejection @ Fc ± 4.2 MHz	4 dB
Rejection @ Fc ± 6.0 MHz	18 dB
Rejection @ Fc ± 12 MHz	35 dB
Group Delay Variation (Max.) over Fc ± 3.80 MHz.	300 nsec.
Connectors	3-1/8" EIA Male

Typical Specification - 8-Section DVB-T	
Max Average Power Capacity	10 kW
Mask Type	Critical
Bandwidth (BW)	Fc ± 3.80 MHz.
Insertion Loss @ Fc	0.30 dB
Insertion Loss @ Fc ± 3.80 MHz.	0.75 dB
VSWR over Fc ± 3.80 MHz.	1.12:1
Rejection @ Fc ± 4.2 MHz	9 dB
Rejection @ Fc ± 6.0 MHz	24 dB
Rejection @ Fc ± 12 MHz	55 dB
Group Delay Variation (Max.) over Fc ± 3.80 MHz.	500 nsec.
Connectors	3-1/8" EIA Male

Typical Specification - 6-Section DVB-T2	
Max Average Power Capacity	10 kW
Mask Type	Non-Critical
Bandwidth (BW)	Fc ± 3.885 MHz.
Insertion Loss @ Fc	0.25 dB
Insertion Loss @ Fc ± 3.885 MHz.	0.75 dB
VSWR over Fc ± 3.885 MHz.	1.12:1
Rejection @ Fc ± 4.2 MHz	4 dB
Rejection @ Fc ± 6.0 MHz	18 dB
Rejection @ Fc ± 12 MHz	35 dB
Group Delay Variation (Max.) over Fc ± 3.885 MHz.	350 nsec.
Connectors	3-1/8" EIA Male

Typical Specification - 8-Section DVB-T2	
Max Average Power Capacity	10 kW
Mask Type	Critical
Bandwidth (BW)	Fc ± 3.885 MHz.
Insertion Loss @ Fc	0.30 dB
Insertion Loss @ Fc ± 3.885 MHz.	0.90 dB
VSWR over Fc ± 3.885 MHz.	1.12:1
Rejection @ Fc ± 4.2 MHz	9 dB
Rejection @ Fc ± 6.0 MHz	24 dB
Rejection @ Fc ± 12 MHz	55 dB
Group Delay Variation (Max.) over Fc ± 3.885 MHz.	550 nsec.
Connectors	3-1/8" EIA Male

Typical Specification - 6-Section ISDB-T	
Max Average Power Capacity	10 kW
Mask Type	Non-Critical
Bandwidth (BW)	Fc ± 2.79 MHz.
Insertion Loss @ Fc	0.35 dB
Insertion Loss @ Fc ± 2.79 MHz.	0.75 dB
VSWR over Fc ± 2.79 MHz.	1.10:1
Rejection @ Fc ± 3.15 MHz	7 dB
Rejection @ Fc ± 4.5 MHz	27 dB
Rejection @ Fc ± 9 MHz	40 dB
Group Delay Variation (Max.) over Fc ± 2.79 MHz.	500 nsec.
Connectors	3-1/8" EIA Male

Typical Specification - 8-Section ISDB-T	
Max Average Power Capacity	10 kW
Mask Type	Critical
Bandwidth (BW)	Fc ± 2.79 MHz.
Insertion Loss @ Fc	0.45 dB
Insertion Loss @ Fc ± 2.79 MHz.	1.0 dB
VSWR over Fc ± 2.79 MHz.	1.10:1
Rejection @ Fc ± 3.15 MHz	14 dB
Rejection @ Fc ± 4.5 MHz	31 dB
Rejection @ Fc ± 9 MHz	60 dB
Group Delay Variation (Max.) over Fc ± 2.79 MHz.	650 nsec.
Connectors	3-1/8" EIA Male