

# VHF B.III 10 kW 6/8-Pole Bandpass Filter

## TC6D200B TC8D200B

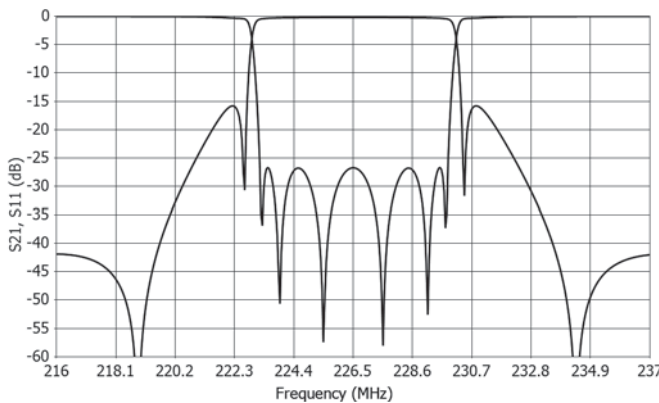


ISDB



BANDPASS FILTERS  
VHF B.III

SPECIFICATIONS	TC6D200B	TC8D200B
Product Code	A-TC6D200B-xx-yy	A-TC8D200B-xx-yy
Project Number	-	-
DVB Mask	Non Critical Mask	Critical Mask
ATSC Mask	FCC Mask	FCC Mask
ISDB Mask	Non Critical Mask	Critical Mask
Frequency Range	162 – 254 MHz	
Bandwidth	6 to 8 MHz	
Order	6-Pole Ell. Resp.	8-Pole Ell. Resp.
Max Input Power	10 kW DTV (15 kW ATV)	
Liquid Flow (O-HL.02)	6 l/min (1.6 gal/min)	
Temperature Stability	< 2 kHz / K	
Max Operating Temp.	70 °C (158 °F)	
Environmental Conditions	-5 to +55 °C (+23 to +131 °F), IP60	
Body Finish	Metallic black coloring	
Dimensions	-	-
Weight	-	-
Output Monitor Probe	SMA Female	
Connectors Interface	2 x 100mm Series	
Connectors	D-PC100M EIA 3+1/8" FastLine Socket (Default) D-PC100N EIA 3+1/8" FastLine Flange D-PC100O EIA 3+1/8" FastLine Plug D-PC100P EIA 4+1/2" FastLine Socket D-PC100Q EIA 4+1/2" FastLine Flange	
Options	O-MR.01 SMB Output Monitor Probe O-HL.02 Liquid Cooling add-on O-HZ.03 70°C (158°F) N.C. Theroswitch	



TUNING DATA	DVB 7 MHz N.C.M. (TC6D200B)	DVB 7 MHz C.M. (TC8D200B)	ATSC FCC M. (TC6D200B)
Insertion Loss	< 0.17 dB @ C.F. < 0.49 dB @ C.F. ±3.325 MHz	< 0.23 dB @ C.F. < 0.64 dB @ C.F. ±3.325 MHz	< 0.23 dB @ C.F. < 0.39 dB @ C.F. ±2.7 MHz
Selectivity	> 5 dB @ C.F. ±3.675 MHz > 16 dB @ C.F. ± 5.25 MHz > 41 dB @ C.F. ± 10.5 MHz	> 15 dB @ C.F. ±3.675 MHz > 26 dB @ C.F. ± 5.25 MHz > 51 dB @ C.F. ± 10.5 MHz	> 10 dB @ C.F. ±3.5 MHz > 29 dB @ C.F. ± 6 MHz > 63 dB @ C.F. ± 9 MHz
Harmonic Attenuation	> 50 dB up to 600 MHz		
Return Loss	> 26 dB (VSWR < 1.11)		
Group Delay Variation	< 250 ns		
Over-Temperature with O-HL.02	< 44 K @ 10 kW DTV < 17 K @ 10 kW DTV	< 49 K @ 10 kW DTV < 19 K @ 10 kW DTV	< 50 K @ 10 kW DTV < 19 K @ 10 kW DTV