

VHF B.III 2.5 kW 6/8-Pole Bandpass Filter

TC6D100B TC8D100B

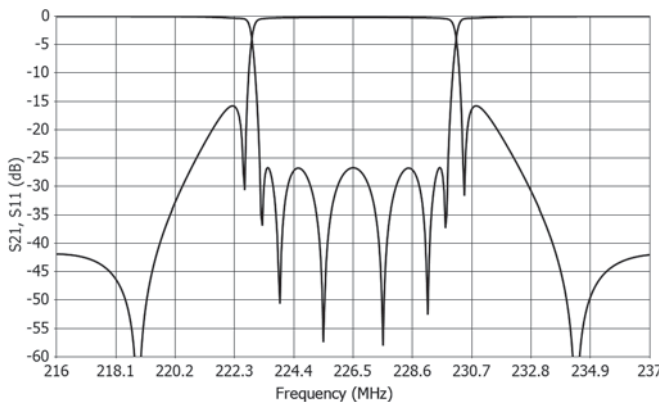


ISDB



BANDPASS FILTERS
VHF B.III

SPECIFICATIONS	TC6D100B	TC8D100B
Product Code	A-TC6D100B-xx-yy	A-TC8D100B-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 Eil. Resp.	8-Pole Eil. Resp.
Max Input Power	2.5 kW DTV (3.75 kW ATV)	
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 64mm Series	
Connectors	D-PC64G EIA 7/8" FastLine Socket D-PC64H EIA 7/8" FastLine Flange D-PC64I EIA 7/8" FastLine Plug D-PC64J EIA 1+5/8" FastLine Socket (Default) D-PC64K EIA 1+5/8" FastLine Flange D-PC64L EIA 1+5/8" FastLine Plug	
Options	O-MR.01 SMB Output Monitor Probe O-HZ.03 70°C (158°F) N.C. Theroswitch	



TUNING DATA	DVB 7 MHz N.C.M. (TC6D100B)	DVB 7 MHz C.M. (TC8D100B)	ATSC FCC M. (TC6D100B)
Insertion Loss	< 0.34 dB @ C.F. < 0.98 dB @ C.F. ±3.325 MHz	< 0.45 dB @ C.F. < 1.27 dB @ C.F. ±3.325 MHz	< 0.45 dB @ C.F. < 0.77 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	> 50 dB up to 600 MHz	> 50 dB up to 600 MHz
Return Loss	> 26 dB (VSWR < 1.11)	> 26 dB (VSWR < 1.11)	> 26 dB (VSWR < 1.11)
Group Delay Variation	< 250 ns	< 450 ns	< 150 ns
Over-Temperature	< 48 K @ 2.5 kW DTV	< 54 K @ 2.5 kW DTV	< 55 K @ 2.5 kW DTV