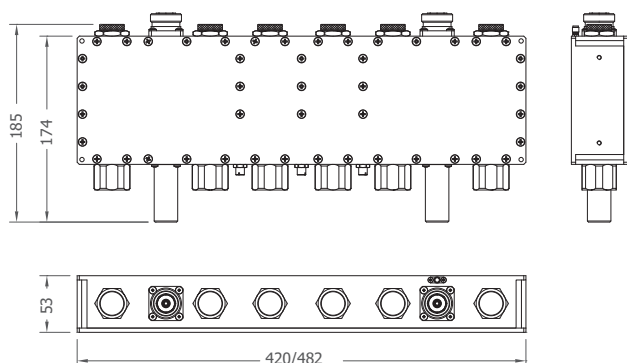


UHF 250 W 6/7-Pole Bandpass Filter

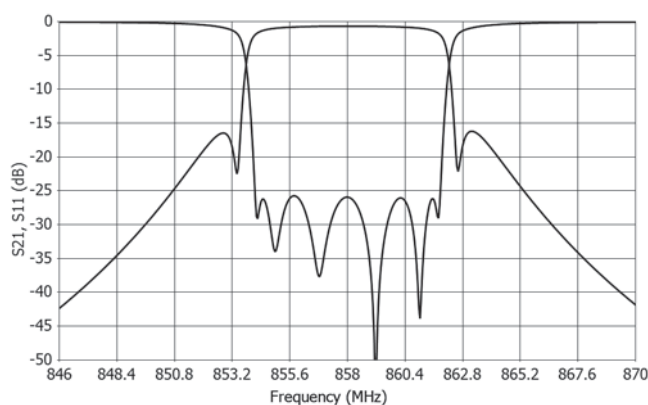
CL6X50C
CL7X50C

ISDB



SPECIFICATIONS

	CL6X50C	CL7X50C
Product Code	A-CL6X50C-xx-yy	A-CL7X50C-xx-yy
Project Number	J-088-02	J-114-01
DVB Mask	Non Critical Mask	Critical Mask
ATSC Mask	Simple Mask	Stringent Mask
ISDB Mask	Non Critical Mask	Critical Mask
Frequency Range	470 – 862 MHz	
Bandwidth	6 to 8 MHz	
Order	6-Pole Elliptical Response	7-Pole Elliptical Response
Max Input Power	250 W DTV (375 W 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	420 x 53 x 185 mm	482 x 53 x 185 mm
Weight	3.5 kg (7.7 lb)	4.1 kg (9 lb)
Output Monitor Probe	SMA Female	
Connectors Interface	2 x 32mm Series	
Connectors	D-PC32C N Female D-PC32E 7-16 Female (Default)	
Options	O-MR.01 SMB Output Monitor Probe O-RK.03 2U 19" Rack, w/ handles	



TUNING DATA

	DVB 8 MHz N.C.M. (CL6X50C)	DVB 8 MHz C.M. (CL7X50C)	ATSC Simple M. (CL6X50C)
Insertion Loss	< 0.75 dB @ C.F. < 2.00 dB @ C.F. ± 3.8 MHz	< 1.00 dB @ C.F. < 3.60 dB @ C.F. ± 3.8 MHz	< 0.90 dB @ C.F. < 1.50 dB @ C.F. ± 2.7 MHz
Selectivity	> 5 dB @ C.F. ± 4.2 MHz > 16 dB @ C.F. ± 6 MHz > 41 dB @ C.F. ± 12 MHz	> 15 dB @ C.F. ± 4.2 MHz > 26 dB @ C.F. ± 6 MHz > 51 dB @ C.F. ± 12 MHz	> 10 dB @ C.F. ± 3.5 MHz > 24 dB @ C.F. ± 6 MHz > 36 dB @ C.F. ± 9 MHz
Harmonic Attenuation with LC39C	> 50 dB up to 1.4 GHz > 50 dB up to 3.0 GHz	> 50 dB up to 1.4 GHz > 50 dB up to 3.0 GHz	> 50 dB up to 1.4 GHz > 50 dB up to 3.0 GHz
Return Loss	> 24 dB (VSWR < 1.13)	> 22 dB (VSWR < 1.17)*	> 24 dB (VSWR < 1.13)
Group Delay Variation	< 200 ns	< 350 ns	< 150 ns
Over-Temperature	< 30 K @ 250 W DTV	< 34 K @ 250 W DTV	< 34 K @ 250 W DTV

*Within C.F. ± 3.7 MHz