

UHF BANDPASS FILTER

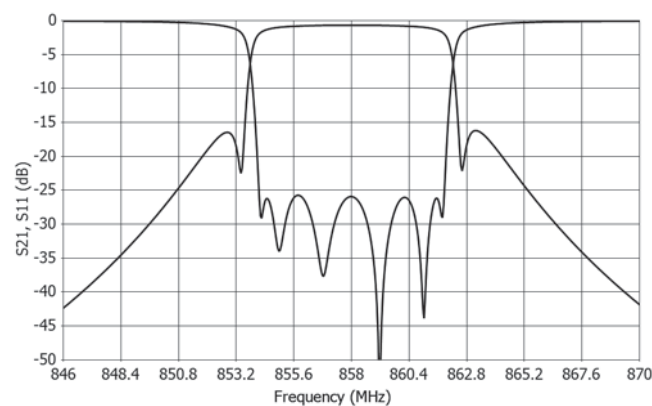
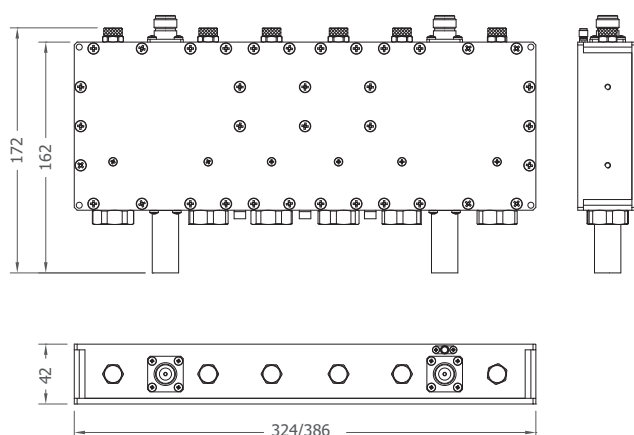
100 W, 6/7-Pole Elliptical Response

CL6X30C

CL7X30C



ISDB



SPECIFICATIONS

	CL6X30C	CL7X30C
Product Code	A-CL6X30C-xx-yy	A-CL7X30C-xx-yy
Project Number	J-065-01	J-153-01
DVB Mask	Non Critical Mask	Critical Mask
ATSC Mask	Simple Mask	Full 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	100 W DTV (150 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	324 x 42 x 172 mm	386 x 42 x 172 mm
Weight	2.5 kg (5.5 lb)	2.9 kg (6.4 lb)
Output Monitor Probe	SMA Female	
Connectors Interface	2 x 25mm Series	
Connectors	D-PC25C N Female (Default) D-PC25E 7-16 Female	
Options	O-MR.01 SMB Output Monitor Probe O-RK.02 1U 19" Rack, w/ handles	

BANDPASS FILTERS
UHF

TUNING DATA

	DVB 8 MHz N.C.M. (CL6X30C)	DVB 8 MHz C.M. (CL7X30C)	ATSC Simple M. (CL6X30C)
Insertion Loss	< 1.00 dB @ C.F. < 2.70 dB @ C.F. ±3.8 MHz	< 1.40 dB @ C.F. < 4.80 dB @ C.F. ±3.8 MHz	< 1.20 dB @ C.F. < 2.20 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 1.8 GHz > 50 dB up to 3.0 GHz	> 50 dB up to 1.8 GHz > 50 dB up to 3.0 GHz	> 50 dB up to 1.8 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	< 320 ns	< 150 ns
Over-Temperature	< 23 K @ 100 W DTV	< 26 K @ 100 W DTV	< 26 K @ 100 W DTV

*Within C.F. ±3.7 MHz