



BANDPASS FILTERS  
VHF B.III



### SPECIFICATIONS

Product Code	A-CL6X30B-xx-yy
Project Number	J-066-01
DVB Mask	Non Critical Mask
ATSC Mask	Simple Mask
ISDB Mask	Non Critical Mask
Frequency Range	174 – 254 MHz
Bandwidth	6 to 8 MHz
Order	6-Pole Elliptical Response
Max Input Power	100 W DTV (150 W ATV)
Temperature Stability	< 4 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	286 x 42 x 405 mm
Weight	4 kg (8.8 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

### TUNING DATA

	DVB 7 MHz N.C.M.	ATSC Simple M.
Insertion Loss	< 0.82 dB @ C.F. < 2.30 dB @ C.F.±3.325 MHz	< 1.00 dB @ C.F. < 1.75 dB @ C.F. ±2.7 MHz
Selectivity	> 5 dB @ C.F. ±3.675 MHz > 16 dB @ C.F. ± 5.25 MHz > 38 dB @ C.F. ± 10.5 MHz	> 10 dB @ C.F. ±3.5 MHz > 24 dB @ C.F. ± 6 MHz > 36 dB @ C.F. ± 9 MHz
Harmonic Attenuation	> 50 dB up to 1.1 GHz	> 50 dB up to 1.1 GHz
Return Loss	> 24 dB (VSWR < 1.13)	> 24 dB (VSWR < 1.13)
Group Delay Variation	< 200 ns	< 150 ns
Over-Temperature	< 15 K @ 100 W DTV	< 18 K @ 100 W DTV