



### SPECIFICATIONS

Product Code	B-DB6X60B-xxx-yy
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 NB Input Power	2 kW DTV (3 kW ATV)
Max Output Power	5 kW DTV (7.5 kW 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	690 x 349 x 960 mm
Weight	46 kg (101 lb)
Part List	2 x CL6X60B 2 x HF60B 1 x DH150C
Links	EIA 1+5/8" Rigid Line Link
Frame	Semi-Modular Frame (N≥2)
Connectors Interface	3 x 64mm Series
Connectors	D-PC64E 7-16 Female D-PC64G EIA 7/8" FastLine Socket D-PC64H EIA 7/8" FastLine Flange D-PC64J EIA 1+5/8" FastLine Socket (Default) D-PC64K EIA 1+5/8" FastLine Flange
Options	O-FS.03 Semi-Modular Frame (N=1)

### TUNING DATA\*

	DVB 7 MHz N.C.M.	ATSC Simple M.
NB Insertion Loss	< 0.42 +0.05·N dB @ C.F. < 1.30 +0.05·N dB @ C.F. ±3.325 MHz	< 0.45 +0.05·N dB @ C.F. < 0.80 +0.05·N dB @ C.F. ±2.7 MHz
WB Insertion Loss	< 0.05·N dB	< 0.05·N dB
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
Return Loss**	> 26 - 6·log N dB (VSWR < 1.11 + 0.12·log N)	> 26 - 6·log N dB (VSWR < 1.11 + 0.12·log N)
De-coupling	> 30 dB	> 30 dB
NB Group Delay Variation	< 200 ns	< 150 ns
Over-Temperature	< 36 K @ 2 kW DTV	< 44 K @ 2 kW DTV

\*Non Adjacent Channels    \*\* WB: one channel optimization

TRANSMITTING COMBINERS  
VHF B.III