



SPECIFICATIONS

Product Code	B-DB6D140R-xxx-yy
DAB Mask	Critical Mask Simple Critical Mask
Frequency Range	162 – 254 MHz
Bandwidth	1.54 MHz
Order	6-Pole Elliptical Response
Max NB Input Power	5 kW DAB
Max Output Power	10 kW DAB
Temperature Stability	< 1 kHz / K
Max Operating Temp.	70 °C (158 °F)
Environmental Conditions	-5 to +55 °C (+23 to +131 °F), IP60
Body Finish	Aluminum, passivated
Dimensions	1821 x 399 x 970 mm
Weight	121 kg (266 lb)
Part List	2 x TC6D140R 2 x HC80B 1 x DL300C
Links	EIA 1+5/8" Rigid Line Link
Frame	Modular Frame
Connectors Interface	3 x 100mm Series
Connectors	D-PC64M EIA 3+1/8" FastLine Socket (Default) D-PC64N EIA 3+1/8" FastLine Flange D-PC64P EIA 4+1/2" FastLine Socket D-PC64Q EIA 4+1/2" FastLine Flange
Options	O-HL.02 Liquid Cooling add-on

TRANSMITTING COMBINERS
VHF B.III DAB

TUNING DATA*

	DAB C.M.	DAB S.C.M.
Insertion Loss	< 0.90 +0.05·N dB @ C.F.(Block 12D) < 2.05 +0.05·N dB @ C.F. ±0.77 MHz	< 1.00 +0.05·N dB @ C.F.(Block 12D) < 2.20 +0.05·N dB @ C.F. ±0.77 MHz
Selectivity	> 11 dB @ C.F. ±0.97 MHz > 42 dB @ C.F. ±1.75 MHz > 38 dB @ C.F. ±2.20 MHz > 32 dB @ C.F. ± 3 MHz	> 11 dB @ C.F. ±0.97 MHz > 42 dB @ C.F. ±1.75 MHz > 58 dB @ C.F. ±2.20 MHz > 52 dB @ C.F. ± 3 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
Group Delay Variation	< 800 ns	< 850 ns
Over-Temperature with O-HL.02	< 44 K @ 5 kW DAB < 16 K @ 5 kW DAB	< 47 K @ 5 kW DAB < 17 K @ 5 kW DAB

*Non Adjacent Channels ** WB: one channel optimization