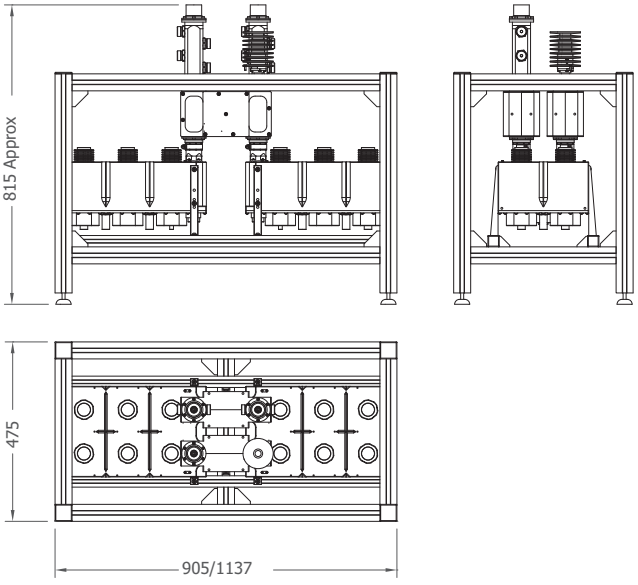
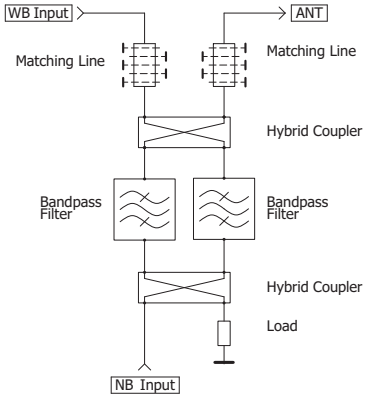
UHF 5 kW 6/8-Pole Balanced Combiner

DM6D110C
DM8D110C

ISDB





64 mm Connectors

Adj. ch. Combination

Temperature Stabilization

Option Heat Sink

Option Semi Modular Frame

SPECIFICATIONS	DM6D110C	DM8D110C
Product Code	B-DM6D110C-xxx-yy	B-DM8D110C-xxx-yy
DVB Mask	Non Critical Mask	Critical Mask
ATSC Mask	FCC Mask	FCC Mask
ISDB Mask	Non Critical Mask	Critical Mask
Frequency Range	470 – 862 MHz	
Bandwidth	6 to 8 MHz	
Order	6-Pole Ell. Resp.	8-Pole Ell. Resp.
Max NB Input Power	2 kW DTV (3 kW ATV)	
Max Output Power	5 kW DTV (7.5 kW 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	905 x 475 x 815 mm	1137 x 475 x 815 mm
Weight	51 kg (112 lb)	60 kg (132 lb)
Part List	2 x FC6D110C 2 x HC80C 2 x ML39C 1 x DH150C	2 x FC8D110C 2 x HC80C 2 x ML39C 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-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 D-PC64M EIA 3+1/8" FastLine Socket D-PC64N EIA 3+1/8" FastLine Flange	
Options	O-HF.02 Heat Sink add-on O-FS.03 Semi-Modular Frame (N=1)	

TUNING DATA*	DVB 8 MHz N.C.M. (DM6D110C)	DVB 8 MHz C.M. (DM8D110C)	ATSC FCC M. (DM6D110C)
NB Insertion Loss	< 0.38 +0.05·N dB @ C.F. < 1.25 +0.05·N dB @ C.F. ±3.8 MHz	< 0.52 +0.05·N dB @ C.F. < 1.90 +0.05·N dB @ C.F. ±3.8 MHz	< 0.52 +0.05·N dB @ C.F. < 0.90 +0.05·N dB @ C.F. ±2.7 MHz
WB Insertion Loss	< 0.05·N dB	< 0.05·N dB	< 0.05·N dB
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 > 29 dB @ C.F. ± 6 MHz > 63 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)	> 26 - 6·log N dB (VSWR < 1.11 + 0.12·log N)
De-coupling	> 30 dB	> 30 dB	> 30 dB
NB Group Delay Variation	< 250 ns	< 450 ns	< 150 ns
Over-Temperature with O-HF.02	< 28 K @ 2 kW DTV < 22 K @ 2 kW DTV	< 31 K @ 2 kW DTV < 25 K @ 2 kW DTV	< 32 K @ 2 kW DTV < 26 K @ 2 kW DTV

*Non Adjacent Channels ** WB: one channel optimization

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