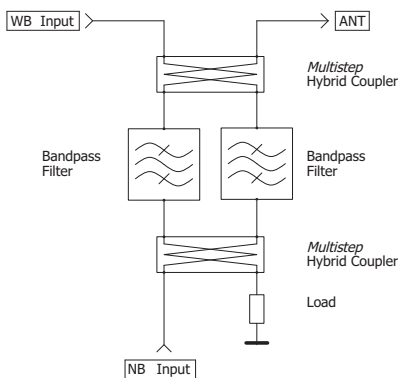
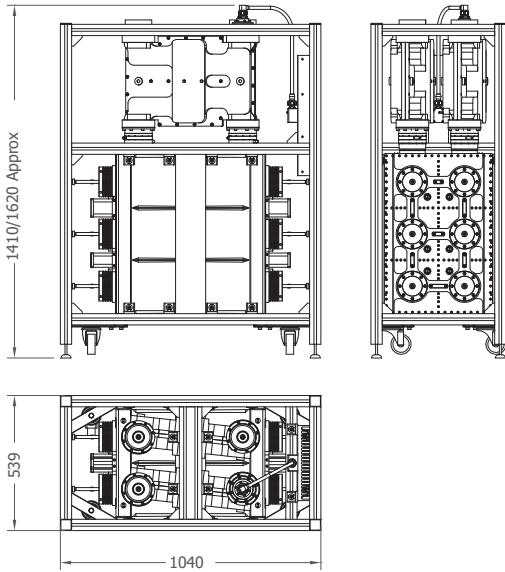
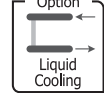
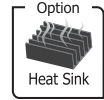


# UHF 50 kW 6/8-Pole Balanced Combiner

## DF6D200C DF8D200C



### SPECIFICATIONS

	DF6D200C	DF8D200C
Product Code	B-DF6D200C-xxx-yy	B-DF8D200C-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 EIL. Resp.	8-Pole EIL. Resp.
Max NB Input Power with O-HL.05	10 kW DTV (15 kW ATV) 20 kW DTV (30 kW ATV)	
Max Output Power	50 kW DTV (75 kW ATV)	
Liquid Flow (O-HL.05)	10 l/min (2.6 gal/min)	
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	1040 x 539 x 1410 mm	1040 x 539 x 1620 mm
Weight	215 kg (473 lb)	255 kg (561 lb)
Part List	2 x TC6D200C 2 x TH150C 1 x DL750C	2 x TC8D200C 2 x TH150C 1 x DL750C
Links	EIA 4+1/2" Rigid Line Link	
Frame	Modular Frame	
Connectors Interface	3 x 130mm/150mm Series	
Connectors	D-PC130M EIA 3+1/8" FastLine Socket D-PC130N EIA 3+1/8" FastLine Flange D-PC130P EIA 4+1/2" FastLine Socket (Default) D-PC130Q EIA 4+1/2" FastLine Flange  D-PC150S RL 120 FastLine Socket D-PC150U EIA 6+1/8" FastLine Socket D-PC150V EIA 6+1/8" FastLine Flange	
Options	O-HF.04 Heat Sink add-on O-HL.05 Liquid Cooling add-on O-LK.07 RL 120 R.L. Link (Upgrade)	

### TUNING DATA\*

	DVB 8 MHz N.C.M. (DF6D200C)	DVB 8 MHz C.M. (DF8D200C)	ATSC FCC M. (DF6D200C)
NB Insertion Loss	< 0.25 + 0.05·N dB @ C.F. < 0.70 + 0.05·N dB @ C.F. ±3.8 MHz	< 0.38 + 0.05·N dB @ C.F. < 1.14 + 0.05·N dB @ C.F. ±3.8 MHz	< 0.30 + 0.05·N dB @ C.F. < 0.50 + 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 - 4·log N dB (VSWR < 1.11 + 0.07·log N)	> 26 - 4·log N dB (VSWR < 1.11 + 0.07·log N)	> 26 - 4·log N dB (VSWR < 1.11 + 0.07·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.04	< 34 K @ 10 kW DTV < 27 K @ 10 kW DTV	< 38 K @ 10 kW DTV < 30 K @ 10 kW DTV	< 39 K @ 10 kW DTV < 31 K @ 10 kW DTV
with O-HL.05	< 20 K @ 20 kW DTV	< 22 K @ 20 kW DTV	< 23 K @ 20 kW DTV

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