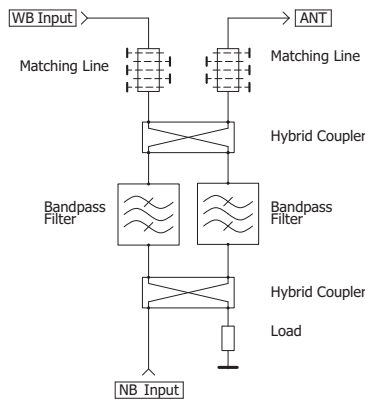
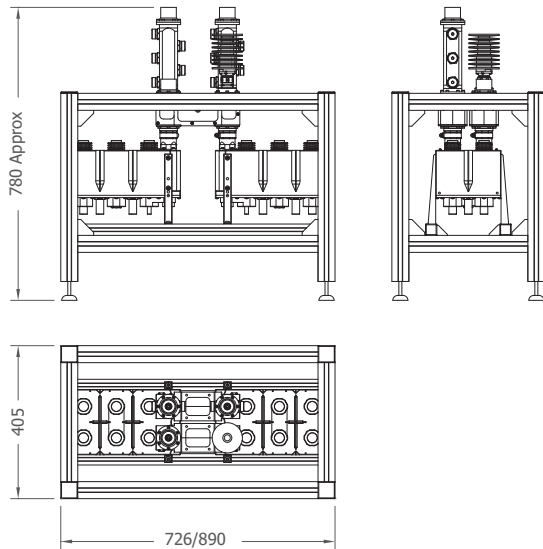
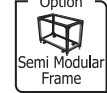


# UHF 5 kW 6/8-Pole Balanced Combiner

## DM6D80C DM8D80C



### SPECIFICATIONS

	DM6D80C	DM8D80C
Product Code	B-DM6D80C-xxx-yy	B-DM8D80C-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	1 kW DTV (1.5 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	726 x 405 x 780 mm	890 x 405 x 780 mm
Weight	35 kg (77 lb)	41 kg (90 lb)
Part List	2 x FC6D80C 2 x HC60C 2 x ML39C 1 x DH75C	2 x FC8D80C 2 x HC60C 2 x ML39C 1 x DH75C
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-PC64F 7-16 Male D-PC64G EIA 7/8" FastLine Socket D-PC64H EIA 7/8" FastLine Flange D-PC64I EIA 7/8" FastLine Plug D-PC64J EIA 1+5/8" FastLine Socket (Default) D-PC64K EIA 1+5/8" FastLine Flange (output) D-PC64L EIA 1+5/8" FastLine Plug	
Options	O-HF.01 Heat Sink add-on O-FS.03 Semi-Modular Frame (N=1)	

### TUNING DATA\*

	DVB 8 MHz N.C.M. (DM6D80C)	DVB 8 MHz C.M. (DM8D80C)	ATSC FCC M. (DM6D80C)
NB Insertion Loss	< 0.46 + 0.05·N dB @ C.F. < 1.60 + 0.05·N dB @ C.F. ±3.8 MHz	< 0.71 + 0.05·N dB @ C.F. < 2.59 + 0.05·N dB @ C.F. ±3.8 MHz	< 0.72 + 0.05·N dB @ C.F. < 1.22 + 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. ± 12 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.01	< 24 K @ 1 kW DTV < 19 K @ 1 kW DTV	< 27 K @ 1 kW DTV < 22 K @ 1 kW DTV	< 27 K @ 1 kW DTV < 22 K @ 1 kW DTV

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

TRANSMITTING COMBINERS  
UHF