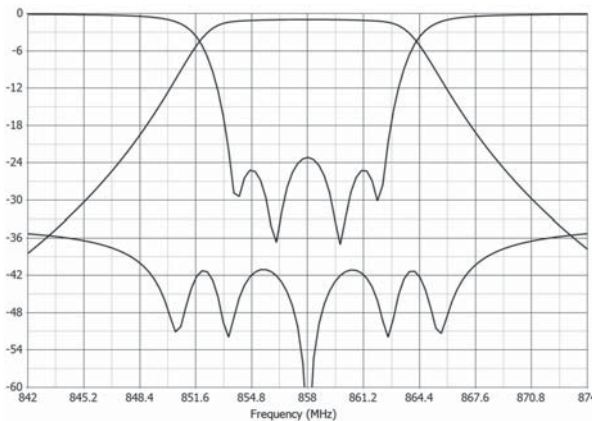
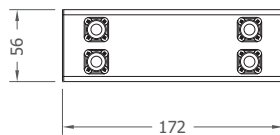
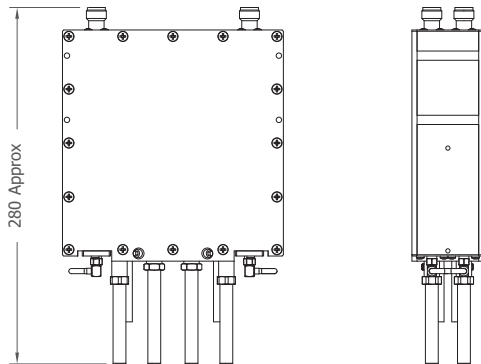
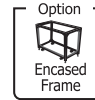
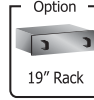


# UHF 200 W 4/6-Pole Balanced Combiner

**MF4C**  
**MF6C**



**SPECIFICATIONS**

	MF4C	MF6C
Product Code	B-MF4C-xxx-yy	B-MF6C-xxx-yy
DVB Mask	No Mask	Non Critical Mask
ATSC Mask	No Mask	FCC Mask
ISDB Mask	No Mask	Non Critical Mask
Project Number	J-142-01	
Frequency Range	470 – 862 MHz	
Bandwidth	6 to 8 MHz	
Order	4-Pole	6-Pole
Max NB Input Power	50 W DTV (75 W ATV)	
Max Output Power	200 W DTV (300 W ATV)	
Temperature Stability	< 17 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	172 x 56 x 280 mm	240 x 56 x 280 mm
Weight	3 kg (6.5 lb)	4 kg (8.8 lb)
Links	SM250 Link	
Connectors Interface	-	
Connectors	- N Female	
Options	O-FE.01 Encased Frame O-RK.04 3U 19" rack, w/ handles (N≤4) O-RK.05 4U 19" rack, w/ handles (N≤6)	

TRANSMITTING COMBINERS  
UHF

**TUNING DATA**

	DVB 8 MHz No Mask (MF4C)	DVB 8 MHz N.C.M. (MF6C)	ATSC No Mask (MF4C)
NB Insertion Loss	< 1.55 +0.15-N dB @ C.F. < 1.75 +0.15-N dB @ C.F. ±3.8 MHz	< 2.20 +0.15-N dB @ C.F. < 2.60 +0.15-N dB @ C.F.	< 1.55 +0.15-N dB @ C.F. < 1.65 +0.15-N dB @ C.F. ±2.7 MHz
WB Insertion Loss	< 0.15-N dB	< 0.15-N dB	< 0.15-N dB
Selectivity	> 3 dB @ C.F. ± 6 MHz > 24 dB @ C.F. ± 12 MHz	> 6 dB @ C.F. ± 6 MHz > 40 dB @ C.F. ± 12 MHz	> 3 dB @ C.F. ± 6 MHz > 15 dB @ C.F. ± 9 MHz
Return Loss	> 20 dB (VSWR < 1.22)	> 20 dB (VSWR < 1.22)	> 20 dB (VSWR < 1.22)
De-coupling	> 30 dB	> 30 dB	> 30 dB
Group Delay Variation	< 40 ns	< 60 ns	< 40 ns
Over-Temperature	< 25 K @ 50 W DTV	< 35 K @ 50 W DTV	< 25 K @ 50 W DTV