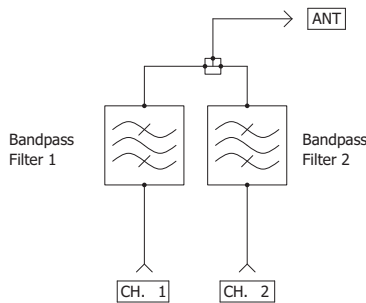
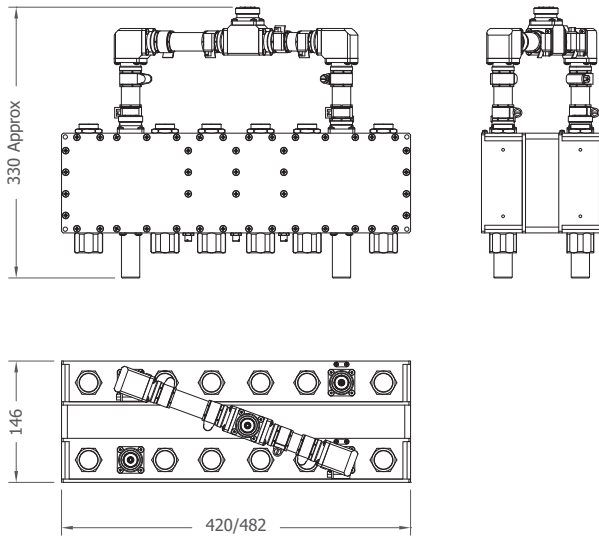


# UHF 250 W 6/7-Pole Starpoint Combiner

**SP6X50C**  
**SP7X50C**



SPECIFICATIONS	SP6X50C	SP7X50C
Product Code	B-SP6X50C-xxx-yy	B-SP7X50C-xxx-yy
DVB Mask	Non Critical Mask	Critical Mask
ATSC Mask	Simple Mask	Stringent M.
ISDB Mask	Non Critical Mask	Critical Mask
Frequency Range	470 – 862 MHz	
Bandwidth	6 to 8 MHz	
Ch. Distance	1 guard ch.	
Order	6-Pole EII. Resp.	7-Pole EII. Resp.
Max Input Power	250+250 W DTV (375+375 W 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	420 x 146 x 330 mm	482 x 146 x 330 mm
Weight	8.5 kg (18.5 lb)	10 kg (22 lb)
Part List	2 x CL6X50C	2 x CL7X50C
Links	EIA 7/8" R.L. Link	
Frame	-	
Connectors Interface	3 x 32mm Series	
Connectors	D-PC32C N Female D-PC32E 7-16 Female (Default)	
Options	O-FE.03 Encased Frame	

TRANSMITTING COMBINERS  
UHF

TUNING DATA	DVB 8 MHz N.C.M. (SP6X50C)	DVB 8 MHz C.M. (SP7X50C)	ATSC Simple M. (SP6X50C)
Insertion Loss	< 0.75 +0.10 dB @ C.F. < 2.00 +0.10 dB @ C.F. ±3.8 MHz	< 1.00 +0.10 dB @ C.F. < 3.60 +0.10 dB @ C.F. ±3.8 MHz	< 0.90 +0.10 dB @ C.F. < 1.50 +0.10 dB @ C.F. ±2.7 MHz
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 > 24 dB @ C.F. ± 6 MHz > 36 dB @ C.F. ± 9 MHz
Return Loss	> 24 dB (VSWR < 1.13)	> 24 dB (VSWR < 1.13)	> 24 dB (VSWR < 1.13)
De-coupling	> 30 dB	> 30 dB	> 30 dB
Group Delay Variation	< 200 ns	< 350 ns	< 150 ns
Over-Temperature	< 30 K @ 250 W DTV	< 34 K @ 250 W DTV	< 34 K @ 250 W DTV