

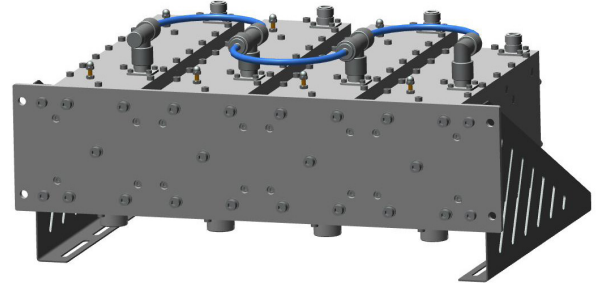
FM Starpoint Combiner

75 W, 3 Pole

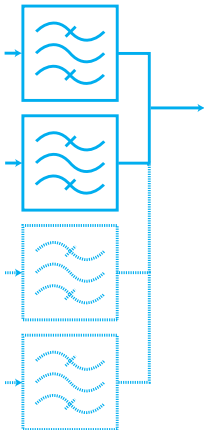
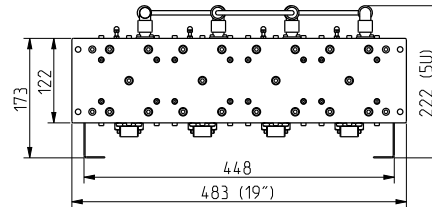
BAND II

10 year GUARANTEE

SPECIFICATIONS	70 mm Series	Option
FREQUENCY	87 - 108 MHz	
STANDARD ORDER	3 Poles	
APPLICATION	FM combining & Spurious supress	
IMPEDANCE	50 Ohm	
NB RETURN LOSS (VSWR)	>23 dB (1.15)	
NB INPUT CONNECTOR	N female	N male
OUTPUT CONNECTOR	N female	N male
TEMPERATURE STABILITY	≤ 5 kHz / °C	
MAX PRODUCT TEMPERATURE	70 °C	
ENVIROMENTAL CONDITION	0 to 70 °C IP40	

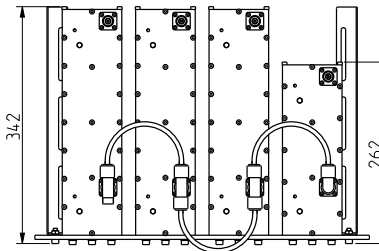


DIMENSIONS AND WEIGHT	
INDICATIVE DIMENSIONS	483 x 262 x 222 mm
L x W x H	(19 x 10.3 x 8.7 in)
STANDARD FRAME	19" front panel
OPTIONAL FRAME	Stand alone, Mounting brackets
COLOUR	Aluminium gray



Article structure:
ARTICLE: SP23C07A-00CC-2

- SP** = Combiner Type
- 2** = Frequency band
- 3** = Number of poles
- C** = Cavity based
- 07** = Cavity size
- A** = Version
- 0** = Number of cross coupling
- 0 = without
- 0** = Coating
- 0 = Without coating
- C** = Narrowband connection
- C = N female, D = N male
- C** = Output connection
- C = N female, D = N male
- 2** = Number of inputs



Example of design, may be changed depending on channel allocation and No of inputs. Subjected to change without prior notice.

ARTICLE	SP23C07x-00xx-2				SP23C07x-00xx-3				SP23C07x-00xx-4			
	NUMER OF INPUTS				NUMER OF INPUTS				NUMER OF INPUTS			
MIN CHANNEL SPACING	2.2 MHz	1.5 MHz	1.2 MHz	1.0 MHz	2.2 MHz	1.5 MHz	1.2 MHz	1.0 MHz	2.2 MHz	1.5 MHz	1.2 MHz	1.0 MHz
MAX INPUT POWER / INPUT	75 W	50 W	40 W	35 W	75 W	50 W	40 W	35 W	75 W	50 W	40 W	35 W
INSERTION LOSS (dB)	Centre frequency				Centre frequency				Centre frequency			
	<1.15	<1.7	<2.2	<2.45	<1.2	<1.75	<2.25	<2.5	<1.25	<1.8	<2.3	<2.55
	±150 kHz				±150 kHz				±150 kHz			
	<1.15	<1.8	<2.3	<2.65	<1.2	<1.85	<2.35	<2.7	<1.25	<1.9	<2.4	<2.75
ISOLATION BETWEEN INPUTS	Input frequency spacing				Input frequency spacing				Input frequency spacing			
	±1.0 MHz				±1.0 MHz				±1.0 MHz			
	-	-	-	>30 dB	-	-	-	>30 dB	-	-	-	>30 dB
	-	-	>30 dB	>33 dB	-	-	>30 dB	>33 dB	-	-	>30 dB	>33 dB
	-	>30 dB	>33 dB	>35 dB	-	>30 dB	>33 dB	>35 dB	-	>30 dB	>33 dB	>35 dB
	>30 dB	>33 dB	>35 dB	>45 dB	>30 dB	>33 dB	>35 dB	>45 dB	>30 dB	>33 dB	>35 dB	>45 dB
	>33 dB	>35 dB	>45 dB	>55 dB	>33 dB	>35 dB	>45 dB	>55 dB	>33 dB	>35 dB	>45 dB	>55 dB
	>35 dB	>45 dB	>55 dB	>60 dB	>35 dB	>45 dB	>55 dB	>60 dB	>35 dB	>45 dB	>55 dB	>60 dB
	>45 dB	>55 dB	>60 dB	>65 dB	>45 dB	>55 dB	>60 dB	>65 dB	>45 dB	>55 dB	>60 dB	>65 dB
±5.0 MHz				±5.0 MHz				±5.0 MHz				
>55 dB	>60 dB	>65 dB	>70 dB	>55 dB	>60 dB	>65 dB	>70 dB	>55 dB	>60 dB	>65 dB	>70 dB	
±6.0 MHz				±6.0 MHz				±6.0 MHz				
>60 dB	>65 dB	>70 dB	>75 dB	>60 dB	>65 dB	>70 dB	>75 dB	>60 dB	>65 dB	>70 dB	>75 dB	
±8.0 MHz				±8.0 MHz				±8.0 MHz				
	>60 dB	>65 dB	>70 dB	>75 dB	>60 dB	>65 dB	>70 dB	>75 dB	>60 dB	>65 dB	>70 dB	>75 dB
WEIGHT	7 kg (15.4 lb)				10 kg (22.0 lb)				14 kg (30.9 lb)			

* Data in table is typical data. at 100 MHz. The combiner can be tuned for other specifications or bandwidth. Please contact us for a designed specification.

** All average power values and technical data refer to an ambient temperature of +20 °C with normal airflow. The product can have a maximum surface temperature of +70 °C. Maximum power capacity may be lower depending on channel allocation. Data are subjected to change without prior notice.