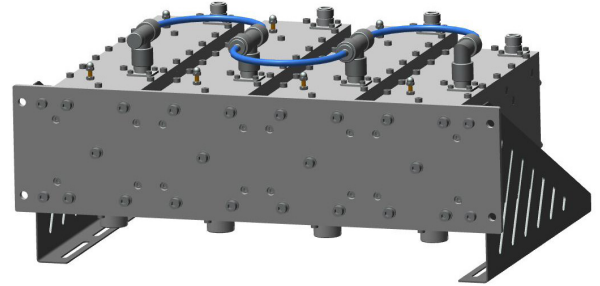


# FM Starpoint Combiner

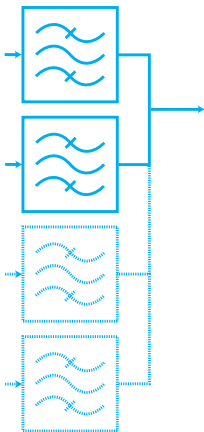
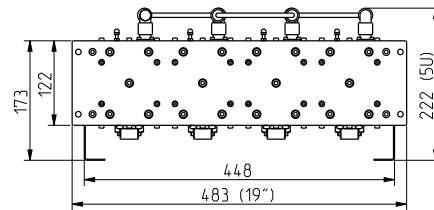
## 75 W, 4 Pole



SPECIFICATIONS	70 mm Series	Option
FREQUENCY	87 - 108 MHz	
STANDARD ORDER	4 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	

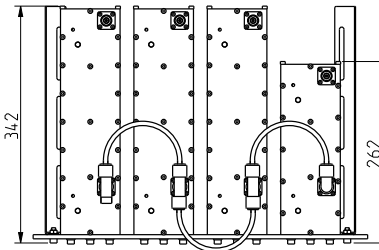


DIMENSIONS AND WEIGHT	
INDICATIVE DIMENSIONS	483 x 342 x 222 mm
L x W x H	(19 x 13.5 x 8.7 in)
STANDARD FRAME	19" front panel
OPTIONAL FRAME	Stand alone, Mounting brackets
COLOUR	Aluminium gray



### Article structure: ARTICLE: SP24C07A-00CC-2

- SP** = Combiner Type
- 2** = Frequency band
- 4** = 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	SP24C07x-00xx-2				SP24C07x-00xx-3				SP24C07x-00xx-4			
NUMER OF INPUTS	2				3				4			
MIN CHANNEL SPACING	1.5 MHz	1.2 MHz	1.0 MHz	0.7 MHz	1.5 MHz	1.2 MHz	1.0 MHz	0.7 MHz	1.5 MHz	1.2 MHz	1.0 MHz	0.7 MHz
MAX INPUT POWER / INPUT	75 W	55 W	45 W	35 W	75 W	55 W	45 W	35 W	75 W	55 W	45 W	35 W
INSERTION LOSS (dB)												
Centre frequency	<1.75	<2.15	<2.65	<3.75	<1.8	<2.2	<2.7	<3.8	<1.85	<2.25	<2.75	<3.85
±150 kHz	<1.78	<2.25	<2.75	<4.05	<1.83	<2.3	<2.8	<4.1	<1.88	<2.35	<2.85	<4.15
ISOLATION BETWEEN INPUTS												
Input frequency spacing												
±0.7 MHz	-	-	-	>30 dB	-	-	-	>30 dB	-	-	-	>30 dB
±1.0 MHz	-	-	>30 dB	>45 dB	-	-	>30 dB	>45 dB	-	-	>30 dB	>45 dB
±1.2 MHz	-	>30 dB	>45 dB	>50 dB	-	>30 dB	>45 dB	>50 dB	-	>30 dB	>45 dB	>50 dB
±1.5 MHz	>30 dB	>45 dB	>50 dB	>55 dB	>30 dB	>45 dB	>50 dB	>55 dB	>30 dB	>45 dB	>50 dB	>55 dB
±2.2 MHz	>40 dB	>50 dB	>55 dB	>70 dB	>40 dB	>50 dB	>55 dB	>70 dB	>40 dB	>50 dB	>55 dB	>70 dB
±3.0 MHz	>50 dB	>55 dB	>70 dB	>80 dB	>50 dB	>55 dB	>70 dB	>80 dB	>50 dB	>55 dB	>70 dB	>80 dB
±4.0 MHz	>60 dB	>70 dB	>80 dB	>90 dB	>60 dB	>70 dB	>80 dB	>90 dB	>60 dB	>70 dB	>80 dB	>90 dB
±5.0 MHz	>70 dB	>80 dB	>90 dB	>95 dB	>70 dB	>80 dB	>90 dB	>95 dB	>70 dB	>80 dB	>90 dB	>95 dB
±6.0 MHz	>75 dB	>90 dB	>95 dB	>100 dB	>75 dB	>90 dB	>95 dB	>100 dB	>75 dB	>90 dB	>95 dB	>100 dB
±8.0 MHz	>85 dB	>95 dB	>100 dB	>110 dB	>85 dB	>95 dB	>100 dB	>110 dB	>85 dB	>95 dB	>100 dB	>110 dB
WEIGHT	9 kg (19.8 lb)				13 kg (28.7 lb)				17 kg (37.5 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.