

FM Starpoint Combiner

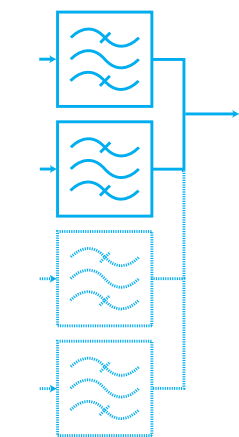
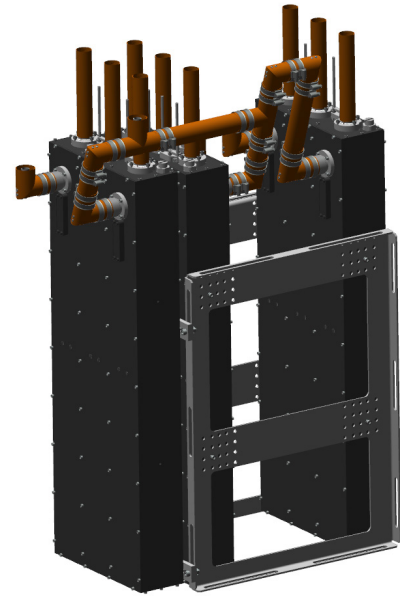
2.5 kW, 3 Pole

BAND II

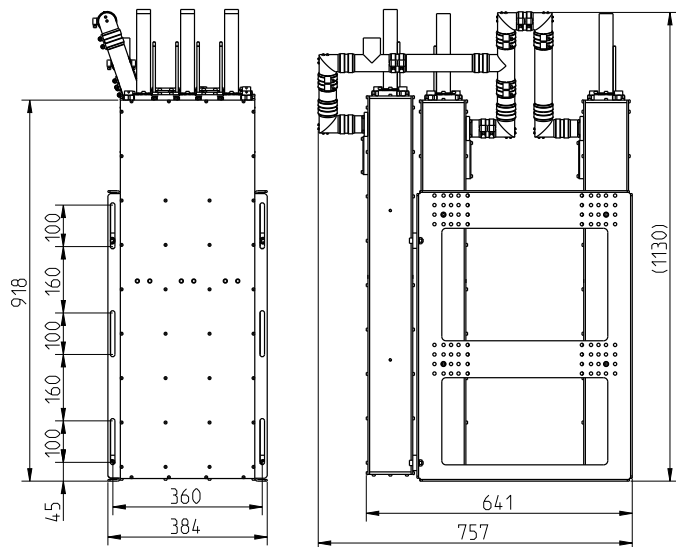
10 year GUARANTEE

| SPECIFICATIONS | 110 mm Series | Option |
|-------------------------|---------------------------------------|--|
| FREQUENCY | 87 - 108 MHz | |
| STANDARD ORDER | 3 Poles | with temperature compensation |
| APPLICATION | FM combining & Spurious supress | |
| IMPEDANCE | 50 Ohm | |
| NB RETURN LOSS (VSWR) | >26 dB (1.1) | |
| NB INPUT CONNECTOR | 1 5/8" unflange | N female/ male, 7/16 female/ male 7/8" unflange/ flange |
| OUTPUT CONNECTOR | 1 5/8" unflange | |
| TEMPERATURE STABILITY | ≤ 3 kHz / °C (without temp. comp.) | ≤ 0.5 kHz / °C (with temp. comp.) |
| MAX PRODUCT TEMPERATURE | 70 °C | |
| ENVIROMENTAL CONDITION | 0 to 70 °C IP40 | |

| DIMENSIONS AND WEIGHT | |
|-----------------------|-------------------------|
| INDICATIVE DIMENSIONS | 757 x 384 x 1130 mm |
| L x W x H | (29.8 x 15.1 x 44.5 in) |
| STANDARD FRAME | Stand alone |
| COLOUR | Black and aluminium |



Article structure:
ARTICLE: SP23C11A-0P11-2
SP = Combiner Type
2 = Frequency band
3 = Number of poles
C = Cavity based
11 = Cavity size
A = Version
 A = without temp. comp. B = with temp. comp.
0 = Number of cross coupling
 0 = without
P = Coating
 P = blackpainted
1 = Narrowband connection
 C = N female, D = N male
 A = 7/16 female, B = 7/16 male
 7 = 7/8" unflange, J = 7/8" flange
 I = 1 5/8" unflange
1 = Output connection
 1 = 1 5/8" unflange
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 | SP23C11x-0Pxx-2 | | | | | SP23C11x-0Pxx-3 | | | | | SP23C11x-0Pxx-4 | | | | |
|--------------------------|------------------|---------|---------|---------|---------|------------------|---------|---------|---------|---------|------------------|---------|---------|---------|---------|
| NUMER OF INPUTS | 2 | | | | | 3 | | | | | 4 | | | | |
| MIN CHANNEL SPACING | 2.8 MHz | 2.2 MHz | 1.5 MHz | 1.2 MHz | 1.0 MHz | 2.8 MHz | 2.2 MHz | 1.5 MHz | 1.2 MHz | 1.0 MHz | 2.8 MHz | 2.2 MHz | 1.5 MHz | 1.2 MHz | 1.0 MHz |
| MAX INPUT POWER / INPUT | 2500 W | 2000 W | 1400 W | 1100 W | 900 W | 2500 W | 2000 W | 1400 W | 1100 W | 900 W | 2500 W | 2000 W | 1400 W | 1100 W | 900 W |
| INSERTION LOSS (dB) | | | | | | | | | | | | | | | |
| Centre frequency | <0.4 | <0.5 | <0.7 | <0.9 | <1.1 | <0.5 | <0.6 | <0.8 | <0.9 | <1.1 | <0.5 | <0.6 | <0.8 | <1.0 | <1.2 |
| ±150 kHz | <0.4 | <0.5 | <0.8 | <1.0 | <1.2 | <0.5 | <0.6 | <0.8 | <1.0 | <1.2 | <0.5 | <0.6 | <0.9 | <1.1 | <1.3 |
| ISOLATION BETWEEN INPUTS | | | | | | | | | | | | | | | |
| Input frequency spacing | | | | | | | | | | | | | | | |
| ±1.0 MHz | - | - | - | - | >30 dB | - | - | - | - | >30 dB | - | - | - | - | >30 dB |
| ±1.2 MHz | - | - | - | >30 dB | >35 dB | - | - | - | >30 dB | >35 dB | - | - | - | >30 dB | >35 dB |
| ±1.5 MHz | - | - | >30 dB | >35 dB | >40 dB | - | - | >30 dB | >35 dB | >40 dB | - | - | >30 dB | >35 dB | >40 dB |
| ±2.2 MHz | - | >30 dB | >35 dB | >40 dB | >45 dB | - | >30 dB | >35 dB | >40 dB | >45 dB | - | >30 dB | >35 dB | >40 dB | >45 dB |
| ±2.8 MHz | >30 dB | >35 dB | >40 dB | >45 dB | >50 dB | >30 dB | >35 dB | >40 dB | >45 dB | >50 dB | >30 dB | >35 dB | >40 dB | >45 dB | >50 dB |
| ±4.0 MHz | >40 dB | >40 dB | >45 dB | >50 dB | >55 dB | >40 dB | >40 dB | >45 dB | >50 dB | >55 dB | >40 dB | >40 dB | >45 dB | >50 dB | >55 dB |
| WEIGHT | 46 kg (101.4 lb) | | | | | 64 kg (141.1 lb) | | | | | 82 kg (180.8 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.