

# MODEL FDCSDC10

- **COMBINER 2 CHANNELS**
- **TYPE STAR POINT**
- **FM BAND 87.5÷108 MHz**
- **BAND II**

The star combiner basically consist of parallel connecting several transmitters to a single antenna system through suitable band pass filters, each on tuned transmitter frequency to witch it's connected.

The parallel connection is obtained by means of coaxial lines of determined length, so as provide for adequate isolation between transmitters.

## TYPICAL SPECIFICATIONS

<b>Model</b>	FDCSDC10 – Type STAR POINT
<b>Impedance</b>	50 Ohm
<b>Frequency Range</b>	87.5-108 MHz
<b>VSWR ±150KHz</b>	1.1:1 max
<b>Insertion Loss</b>	at $f_0$ 0.1 dB max
<b>Return Loss ±150KHz</b>	≤ -26dB
<b>Isolation ±1.5MHz</b>	≥ 30 dB
<b>Input Number</b>	2
<b>Output Number</b>	1
<b>Connectors</b>	Input 1+5/8" Output 3+1/8"
<b>Max Power</b>	10KW × 2 Channels
<b>Working Temperature</b>	-20°C ÷ +50°C
<b>Colour</b>	Enamel Gray Ral 7001
<b>Materials</b>	Aluminium, Bass, Copper, PTFE, Stainless Steel, Silvering (min 12µm thickness)

## Features:

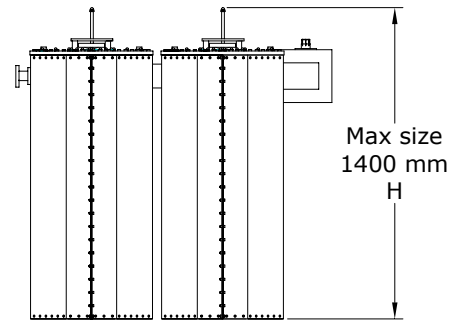
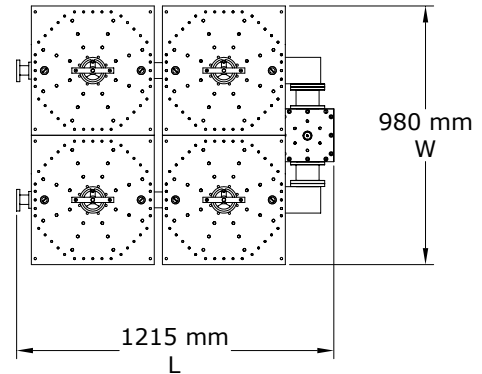
- Distortion – Free Transmission
- Star-point system with double pass-band cavity filters (standard configurations)
- Star-point system with triple pass-band cavity filters
- Star-point system with pass stop
- Low loss, high isolation
- Natural convection
- Option Group delay equalizer

## STANDARD CONFIGURATION

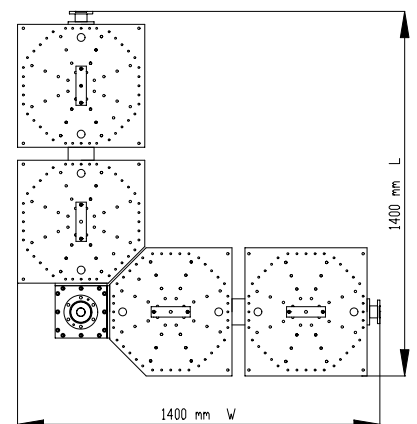
<b>Dimensions</b>	1400(Max size)×1215×980 mm (55.1(Max size)×47.8×38.6 inch) (H×L×W)
<b>Net Weight</b>	≅ 150 Kg (double cavity)

## OPTIONAL CONFIGURATION

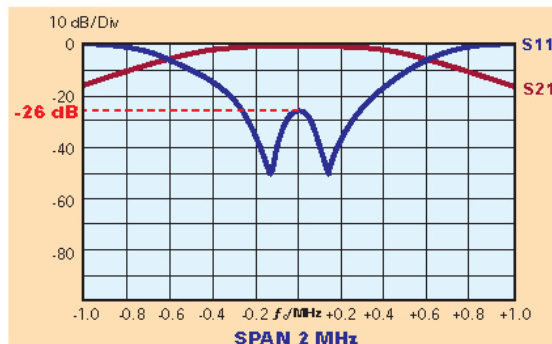
<b>Dimensions</b>	1400(Max size)×1400×1400 mm (55.1(Max size)×55.1×55.1 inch) (H×L×W)
<b>Net Weight</b>	≅ 150 Kg (double cavity)



**STANDARD CONFIGURATION**



**OPTIONAL CONFIGURATION**



"These specifications are subject to change without notice"