

# MODEL FDCSDC30

- **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.

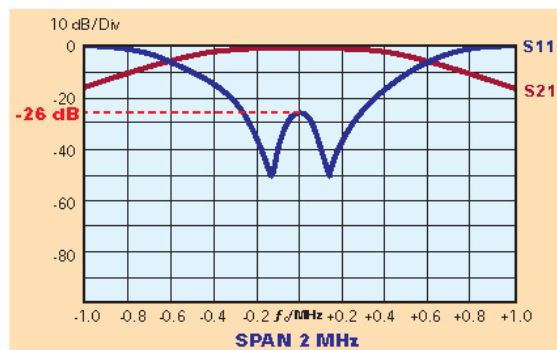
TYPICAL SPECIFICATIONS	
Model	FDCSDC30 – Type STAR POINT
Impedance	50 Ohm
Frequency Range	87.5-108 MHz
VSWR ±150KHz	1.1:1 max
Insertion Loss	at $f_0$ 0.1 dB max
Return Loss ±150KHz	≤ -26dB
Isolation ±1.5MHz	≥ 30 dB
No. of Input	2
No. of Output	1
Connectors	Input 3+1/8" Output 4+1/2" (Opt.6+1/8")
Max Power	30KW × 2 CHANNELS
Working Temperature	-20°C ÷ +50°C
Colour	Enamel Gray Ral 7001
Materials	Aluminium, Brass, Copper, PTFE, Stainless Steel, Silvering (min 12µm thickness)

**Features:**

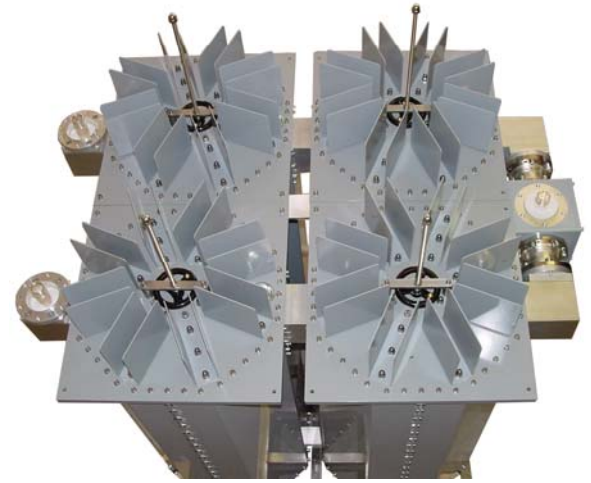
- Distortion – Free Transmission
- Star-point system with triple pass-band cavity filters
- Star-point system with pass stop
- Low loss, high isolation
- Natural convection

<b>Dimensions</b>	1400(Max size)×2350×490 mm (55.1(Max size)×92.5×19.3 inch) (H×L×W)
<b>Net Weight</b>	≅ 120 Kg (double cavity)

<b>Dimensions</b>	1400(Max size)×1340×1340 mm (55.1(Max size)×52.8×52.8 inch) (H×L×W)
<b>Net Weight</b>	≅ 120 Kg (double cavity)

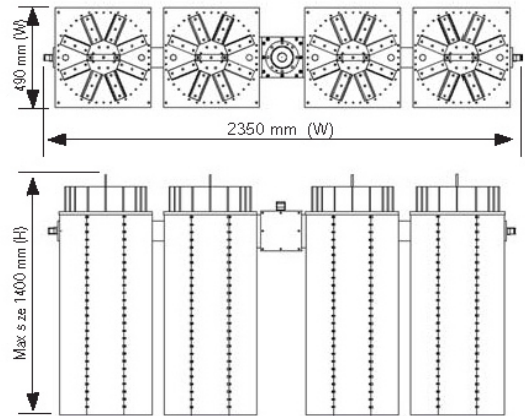


Typical shape of a curves for S11 and S12 parameters for single filter



SPECIAL VERSION WITH OUTPUT CONNECTOR 3+1/8"

**Standard Configuration**



**Optional Configuration**

