

# MODEL FTCSDC 10

- **COMBINER 3 CHANNELS**
- **TYPE STAR POINT**
- **FM BAND 87.5-108 MHz**
- **BAND II**
- **OPTION**



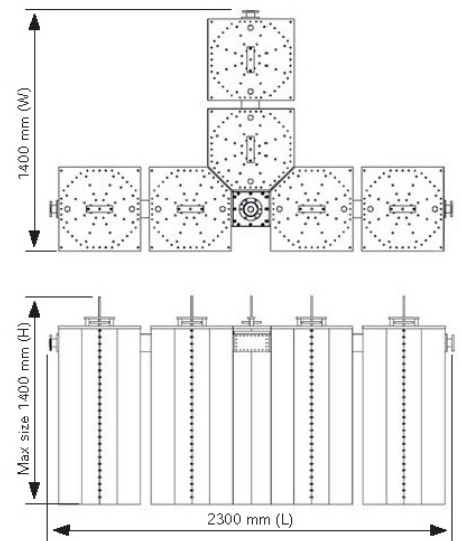
Model	Input Connector	Output Connector	Power Input	Power Output
FTCSDC10-1	1+5/8"	3+1/8"	10KW	30KW

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

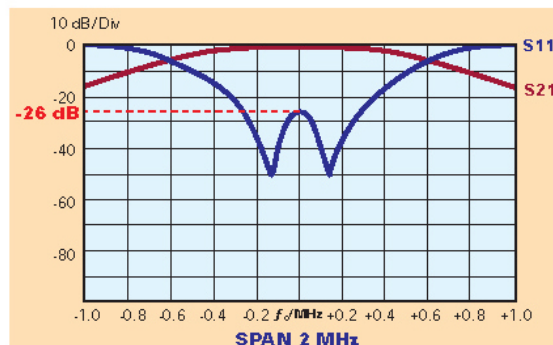
Model	FTCSDC10 – Type STAR POINT		
Impedance	50 Ohm		
Frequency Range	87.5-108 MHz		
VSWR ±150KHz	1.1:1max		
Insertion Loss	at $f_0$ 0.1 dB max		
Return Loss ±150KHz	≤ -26dB		
Isolation ±1.5MHz	≥ 30 dB		
N° of input	3		
N° of output	1		
Connectors Standard	Input 1+5/8"	Output 3+1/8"	(See table)
Max Power	10KW × 3 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 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

Dimensions	1400(Max size)×2300×1400 mm (55.1(Max size)×90.6×55.1 inch) (H×L×W)
Net Weight	≅ 185 Kg



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

"These specifications are subject to change without notice"