

# MODEL FTCSTC 10

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



Model	Input Connector	Output Connector	Power Input	Power Output
FTCSTC10-1	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 bandpass 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.

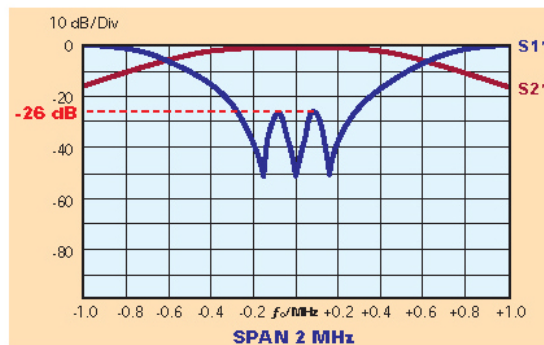
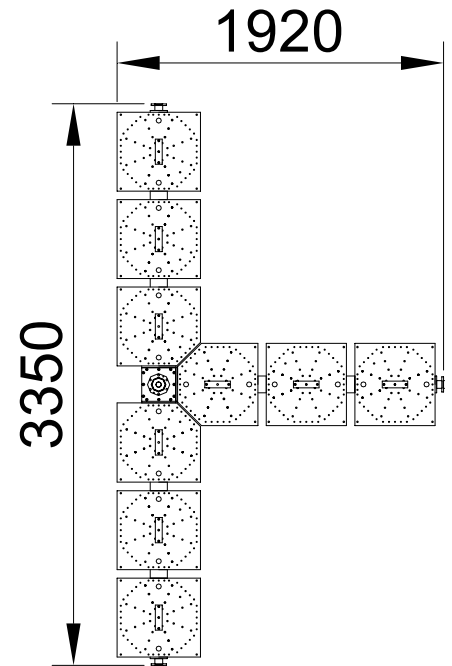
### TYPICAL SPECIFICATIONS

Model	FTCSTC10 – Type STAR POINT	
Impedance	50 Ohm	
Frequency Range	87.5-108 MHz	
VSWR ±150KHz	1.1:1max	
Insertion Loss	at $f_0$ 0.25 dB max	
Return Loss ±150KHz	≤ -26dB	
Isolation ±1MHz	≥ 30 dB	
Input Number	3	
Output Number	1	
Connectors standard	Input-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
- Starpoint system with triple pass-band cavity filters
- Starpoint system with pass stop
- Low loss, high isolation
- Natural convection
- Option Group delay equalizer

Dimensions	1400(Max size)×3350×1920mm (55.1(Max size)×131.9×75.6inch) (H×L×W)
Net Weight	≅ 270 Kg



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