

# MODEL FTCSTC5

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



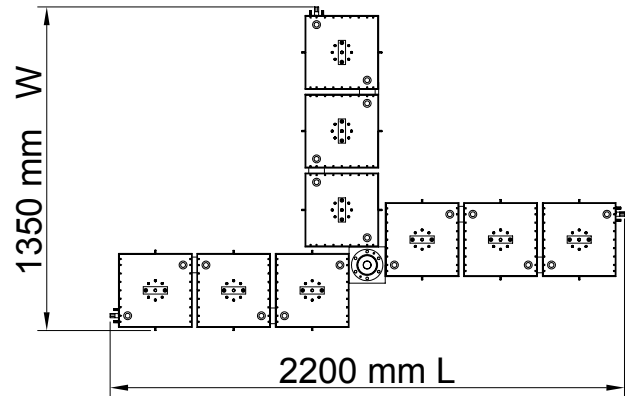
Model	Input Connector	Output Connector	Power Input	Power Output
FTCSTC5-1	7/8"	1+5/8"	4KW	12KW
FTCSTC5-2	1+5/8"	1+5/8"	4KW	12KW

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

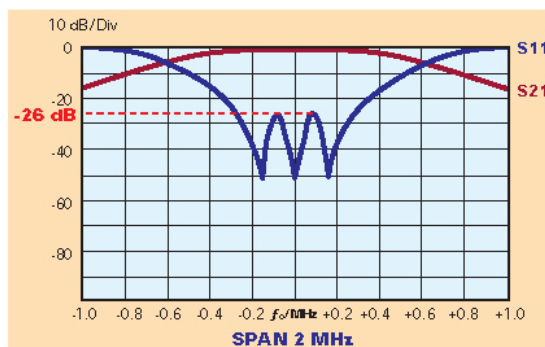
Model	FTCSTC5 – Type STAR POINT	
Impedance	50 Ohm	
Frequency Range	87.5-108 MHz	
VSWR ±150 KHz	1.1:1 max	
Insertion Loss	at $f_0$ 0.25 dB max	
Return Loss ±150Khz	≤ -26 dB	
Isolation ±1 MHz	≥ 30 dB	
Input Number	3	
Output Number	1	
Connectors Standard	Input 1+5/8"	(See table)
	Output 3+1/8"	
Max Power	5KW × 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 pass stop
- Low loss, high isolation
- Natural convection
- OPTION Group delay equaliser

Dimensions	1400(Max size)×2200×1350 mm (55.1(Max size)×86.6×53.2 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”