

MODEL FTCSTC3

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

Model	Input Connector	Output Connector	Power Input	Power Output
FTCSTC3-1	7/8"	7/8"	1.6KW	5KW
FTCSTC3-2	1+5/8"	1+5/8"	3KW	9KW

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.

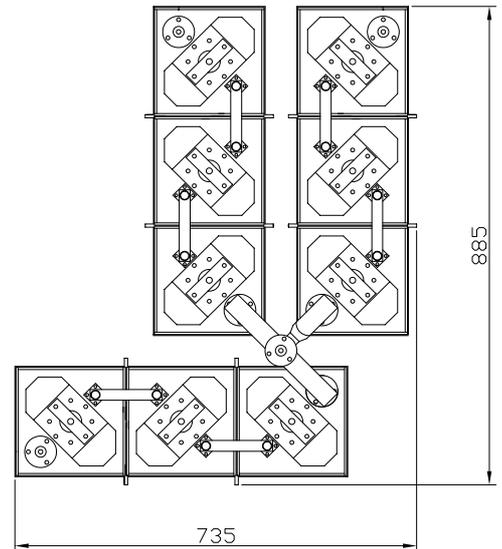


TYPICAL SPECIFICATIONS

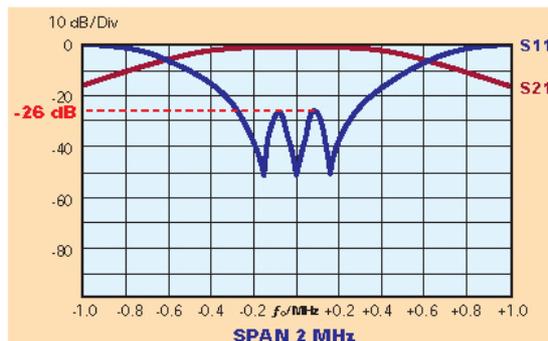
Models	FTCSTC3 – Type STAR POINT	
Impedance	50 Ohm	
Frequency Range	87.5-108 MHz	
VSWR ±150KHz	1.1:1 max	
Insertion Loss	at f_0 0.35 dB max	
Return Loss ±150KHz	≤ -26dB	
Isolation ±1.2 MHz	≥ 30 dB	
No. of Input	3	
No. of Output	1	
Connectors Standard	Input 7/8"	(See table)
	Output 1+5/8"	
Max Power	3KW x 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 equalizer



Dimensions	1300(Max size)×735×885 mm (51.2(Max size)×28.9×34.8 inch) (H×L×W)
Net Weight	≅ 116 Kg



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

“These specifications are subject to change without notice”