

MODEL FTCSDC5

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



Model	Input Connector	Output Connector	Power Input	Power Output
FDCSDC5-1	7/8"	1+5/8"	5KW	15KW
FDCSDC5-2	1+5/8"	1+5/8"	5KW	15KW

The star combiner basically consist of parallel connecting several transmitters to a single antenna system through

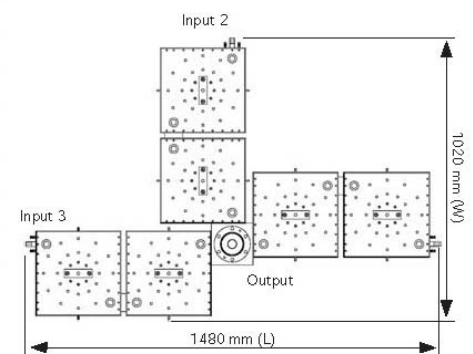
suitable band pass filters, each on tuned transmitter frequency to witch it's connected. The parallel connection is obtained by means of coaxial lines of determined length, so as provide for adequate isolation between transmitters.

TYPICAL SPECIFICATIONS

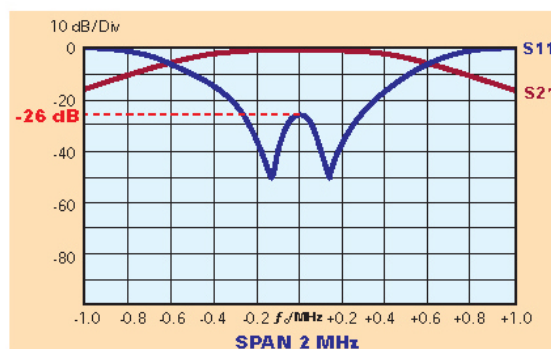
Model	FTCSDC5 – Type STAR POINT		
Impedance	50 Ohm		
Frequency Range	87.5-108 MHz		
VSWR ±150 KHz	1.1:1 max		
Insertion Loss	at f_0 0.15 dB max		
Return Loss ±150Khz	≤ -26 dB		
Isolation ±1.5 MHz	≥ 30 dB		
Input Number	3		
Output Number	1		
Connectors Standard	Input 1+5/8"	(See table)	
	Output 3+1/8"		
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 double pass-band cavity filters
- Star point system with triple pass-band cavity filters (standard configurations)
- Star point system with pass stop
- Low loss, high isolation
- Natural convection
- OPTION Group delay equaliser



Dimensions	1400(Max size)×1480×1020 mm (55.1(Max size)×58.3×40.2 inch) (H×L×W)
Net Weight	≅ 140 Kg



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