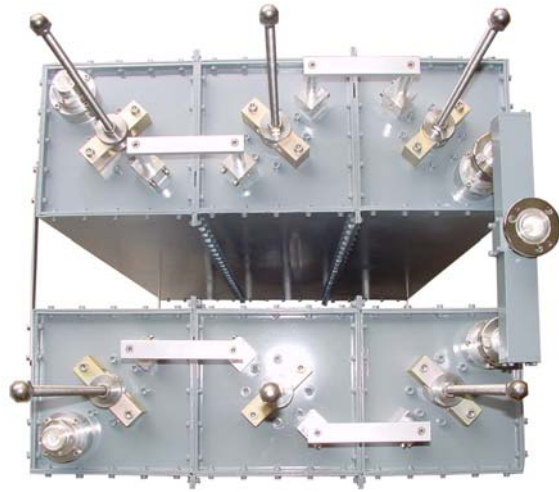


MODEL FDCSTC2

- **COMBINER 2 CHANNEL**
- **TYPE STAR POINT**
- **FM BAND 87.5-108 MHz**
- **BAND II**
- **OPTION**

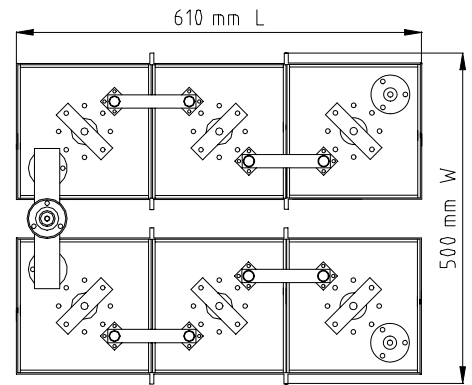
Model	Input Connector	Output Connector	Power Input	Power Output
FDCSTC2-1	N	7/16"	600W	1200W
FDCSTC2-2	N	7/8"	600W	1200W
FDCSTC2-3	7/16"	7/16"	1KW	2KW
FDCSTC2-4	7/16"	7/8"	2KW	4KW
FDCSTC2-5	7/8"	1+5/8"	2KW	4KW

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

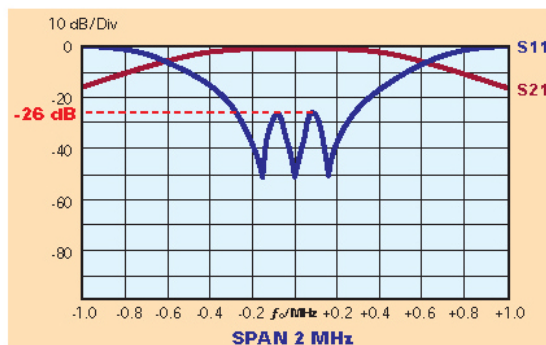
Model	FDCSTC2 – Type STAR POINT	
Impedance	50 Ohm	
Frequency Range	87.5-108 MHz	
VSWR ±150 KHz	1.1:1 max	
Return Loss ±150Khz	≤ -26dB	
Insertion Loss Isolation ±1.0MHz	at f_0 0.45 dB max ≥ 30 dB	
Insertion Loss Isolation ±1.5MHz	at f_0 0.33 dB max ≥ 35 dB	
No. of Input	2	
No. of Output	1	
Connectors Standard	Input 7/8" Output EIA 7/8" (See table)	
Max Power	2KW × 2 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 triple pass-band cavity filters (standard configurations)
- Star-point system with quadruple pass-band cavity filters
- Star-point system with pass stop
- Low loss, high isolation
- Natural convection
- Option Group delay equalizer

Dimensions	1300(Maz size)×610×500 mm (51.2(Max size)×24.0×19.7 inch) (H×L×W)
Net Weight	≅ 65 Kg



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

“These specifications are subject to change without notice”