MODEL FTCSDC2

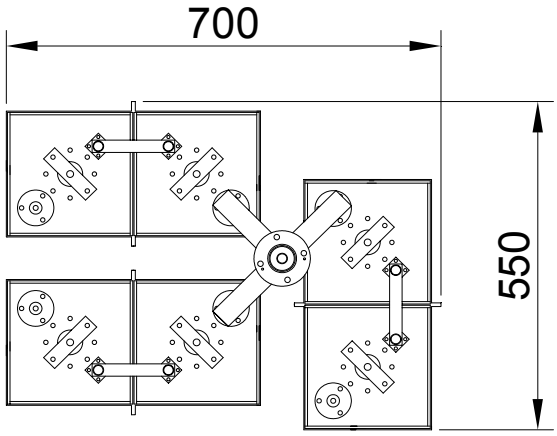
- **COMBINER 3 CHANNELS**
- **TYPE STAR POINT**
- **FM BAND 87.5÷108 MHz**
- **BAND II**
- **OPTION**

Model	Input Connector	Output Connector	Power Input	Power Output
FTCSDC2-1	N	7/16"	600W	1800W
FTCSDC2-2	N	7/8"	600W	1800W
FTCSDC2-3	7/16"	7/16"	600W	1800W
FTCSDC2-4	7/16"	7/8"	1.5KW	4.5KW
FTCSDC2-5	7/8"	7/8"	1.5KW	4.5KW

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

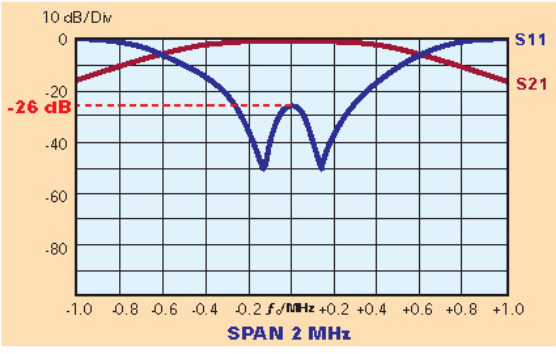
Models	FTCSDC2 – Type STAR POINT
Impedance	50 Ohm
Frequency Range	87.5-108 MHz
VSWR ±150KHz	1.1:1 max
Insertion Loss	at f_0 0.28 dB max
Return Loss ±150KHz	≤ -26dB
Isolation ±2.5MHz	≥ 30 dB
No. of Input	3
No. of Output	1
Connectors Standard	Input 7/8" Output EIA 1+5/8" (See table)
Max Power	2 KW x 3 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 double pass-band cavity filters (standard configurations)
- Star point system with triple pass-band cavity filters
- Star point system with pass stop
- Low loss, high isolation
- Natural convection
- Option Group delay equalizer

Dimensions	1300(Max size)×700×550 mm (51.2(Max size)×27.5×21.6 inch) (H×L×W)
Net Weight	≅ 63 Kg



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

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