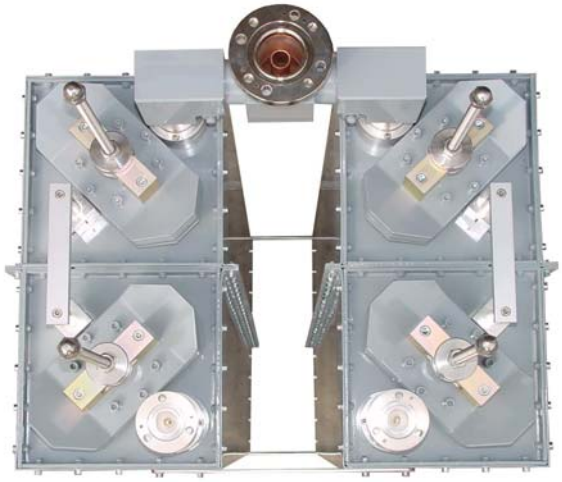
MODEL FDCSDC3



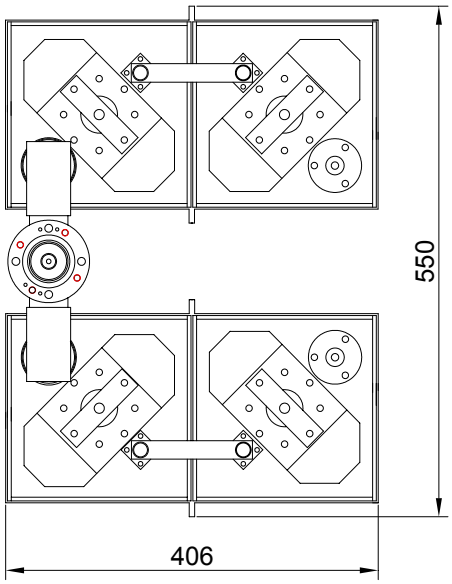
- **COMBINER 2 CHANNELS**
- **TYPE STAR POINT**
- **FM BAND 87.5÷108 MHz**
- **BAND II**
- **OPTION**

Model	Input Connector	Output Connector	Power Input	Power Output
FDCSDC3-1	7/8"	7/8"	2.5KW	5KW
FDCSDC3-2	1+5/8"	1+5/8"	3KW	6KW

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

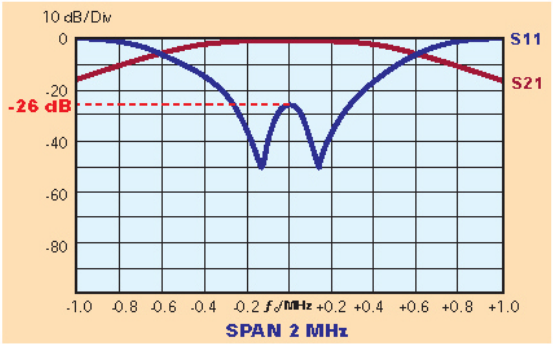
Model	FDCSDC3 – Type STAR POINT
Impedance	50 Ohm
Frequency Range	87.5-108 MHz
VSWR ±150 KHz	1.1:1 max
Insertion Loss	at f_0 0.25 dB max
Return Loss ±150Khz	≤ -26dB
Isolation ±1,5MHz	≥ 30 dB
Input Number	2
Output Number	1
Connectors Standard	Input 7/8" Output 1+5/8" *(See table)*
Max Power	3KW X 2 Channel
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
- Low loss, high isolation
- Natural convection

Dimensions	1300(Max size)×550×406 mm (51.2(Max size)×21.6×16.0 inch) (H×L×W)
Net Weight	≅ 45 Kg (double cavity)



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