

MODEL FTCSTC03

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



RACK VERSION (OPTION)

Model	Input Connector	Output Connector	Power Input	Power Output
FTCSTC03-1	N	N	200W	600W
FTCSTC03-2	N	7/8"	300W	900W

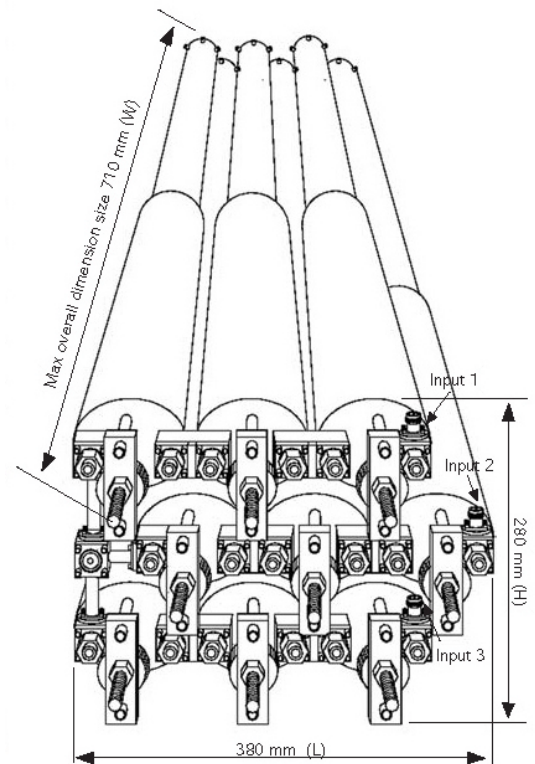
The star combiner basically consist of parallel connecting several transmitters to a single antenna system through suitable band pass filters, each on tuned transmitter frequency to witch it's connected. The parallel connection is obtained by means of coaxial lines of determined length, so as provide for adequate isolation between transmitters.

TYPICAL SPECIFICATIONS

Model	FTCSTC03 – Type STAR POINT
Impedance	50 Ohm
Frequency Range	87.5-108 MHz
VSWR ±150KHz	1.1:1 max
Insertion Loss	at f_0 0.8 dB max (triple cavity)
Return Loss ±150KHz	≤ -26 dB
Isolation ±2MHz	≥ 30 dB
Input Number	3
Output Number	1
Connectors	Input N female Output 7/16" (opt. 7/8" EIA)
Max Power	300 W 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
- 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 – Equipment Rack Mounting



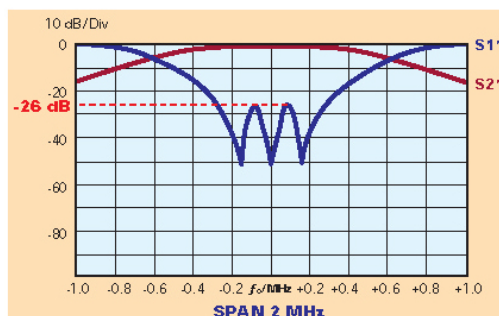
No rack version

Dimensions	280x380x710 mm (280x15x28 inch) (HxLxW)
Weight	≅ 27 Kg (triple cavity)

Rack version (optional)

Panel Size	8 HE (1 HE=44,45 mm)
Weight	≅ 27 Kg (triple cavity)

Typical shape of a curves for S11 and S21 parameters for single filter



"These specifications are subject to change without notice"