

# Model FQCSTC5

- **Combiner 4 Channels**
- **Type Star Point**
- **FM Band 87.5÷108 Mhz**
- **Band II**

The double balanced bridge system consist of two band-pass filter, two -3dB coupler and a absorber. One of both inputs has a narrow-band characteristic (complying with the pass-band functions of the bandpass filters), while the remaining input features a broadband characteristic within the operating frequency range of -3dB couplers, both inputs exhibits a frequency independent load impedance to the RF source.

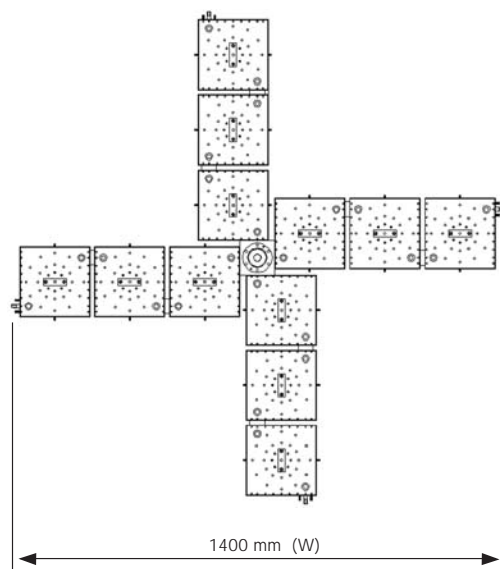
## TYPICAL SPECIFICATIONS

<b>Model</b>	FQCSTC5 – Type STAR POINT
<b>Impedance</b>	50 Ohm
<b>Frequency Range</b>	87.5÷108 MHz
<b>VSWR ±150 KHz</b>	1.1:1 Max
<b>Insertion Loss</b>	at $f_0$ 0.25 dB Max
<b>Return Loss ±150 KHz</b>	≤ -26 dB
<b>Isolation ±2.5 MHz</b>	≤ 30 dB
<b>No. of input</b>	3
<b>No. of output</b>	1
<b>Connectors</b>	Input 1+5/8" Output 3+1/8"
<b>Max Power</b>	6 KW X 4 CHANNELS
<b>Working Temperature</b>	-20°C ÷ +50°C
<b>Colour</b>	Enamel gray ral 7001
<b>Materials</b>	Aluminium, silver brass, copper, PTFE, stainless steel, silver plated (min 12µ thickness)

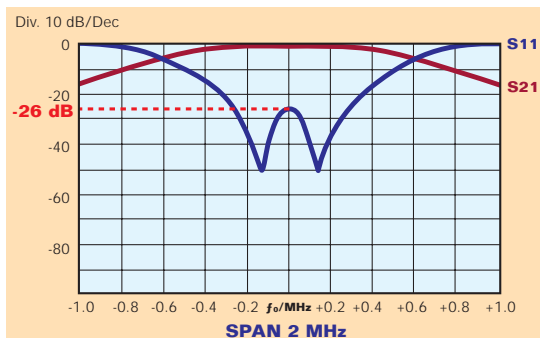
## Features:

- Distortion – Free Transmission
- Starpoint system with double pass-band cavity filters
- Starpoint system with triple pass-band cavity filters (standard configurations)
- Starpoint system with pass stop
- Low loss, high isolation
- Natural convection
- OPTION Group delay equaliser

<b>Dimensions</b>	1400(Max size) x 2200 x 2200 mm (55.1(Max size) x 86.6 x 86.6 inch) (H x L x W)
<b>Net Weight</b>	≅ 260 Kg



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



"These specifications are subject to change without notice"