## TELECOMUNICAZIONIFERRARA RVRGROUP

## **MODEL FDCSDC2**

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

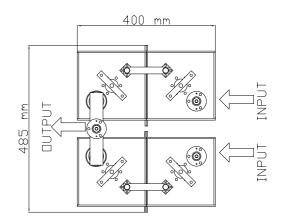
Model	Input Connector	Output Connector	Power Input	Power Output
FDCSDC2-1	N	7/16"	600W	1200W
FDCSDC2-2	N	7/8"	600W	1200W
FDCSDC2-3	7/16"	7/16"	1KW	2KW
FDCSDC2-4	7/16"	7/8"	2KW	4KW
FDCSDC2-5	7/8"	1+5/8"	2KW	4KW

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.



ModelFDCSDC2 – Type STAR POINTImpedance50 OhmFrequency Range87.5-108 MHzVSWR ±150 KHz1:1.1 maxInsertion Lossat $f_0$ 0.25 dB maxReturn Loss ±150Khz $\leq$ -26dBIsolation ±2MHz $\geq$ 30 dBNo. of input2No. of output1Connectors standardInput 7/8" (See table) Output 7/8"Max Power $2$ KW × 2 CHANNELSWorking Temperature $-20^{\circ}$ C $\div$ +50°CColourEnamel Gray Ral 7001MaterialsAluminium, Brass, Copper, PTFE, Stainless Steel, Silvering (min. 12 µm thickness)	TYPICAL SPECIFICATIONS			
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Model	FDCSDC2 – Type STAR POINT		
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Impedance	50 Ohm		
Insertion Loss     at $f_0$ 0.25 dB max       Return Loss ±150Khz     ≤ -26dB       Isolation ±2MHz     ≥ 30 dB       No. of input     2       No. of output     1       Connectors standard     Input 7/8" (See table)       Output 7/8"     Output 7/8"       Max Power     2KW × 2 CHANNELS       Working Temperature     -20°C ÷ +50°C       Colour     Enamel Gray Ral 7001       Materials     Aluminium, Brass, Copper, PTFE, Stainless Steel,	Frequency Range	87.5-108 MHz		
$\begin{array}{lll} & \text{at} & f_0 & 0.25 \text{ dB max} \\ \hline \textbf{Return Loss \pm 150Khz} & \leq -26 \text{dB} \\ \hline \textbf{Isolation \pm 2MHz} & \geq 30 \text{ dB} \\ \hline \textbf{No. of input} & 2 \\ \hline \textbf{No. of output} & 1 \\ \hline \textbf{Connectors standard} & \text{Input } 7/8" & (See table) \\ \hline \textbf{Output } 7/8" & (See table) \\ \hline \textbf{Output } 7/8" & \text{Wax Power} & 2KW \times 2 \text{ CHANNELS} \\ \hline \textbf{Working Temperature} & -20^{\circ}\text{C} \div +50^{\circ}\text{C} \\ \hline \textbf{Colour} & \text{Enamel Gray Ral } 7001 \\ \hline \textbf{Materials} & \text{Aluminium, Brass, Copper, PTFE, Stainless Steel,} \\ \hline \end{array}$	VSWR ±150 KHz	1:1.1 max		
Isolation ±2MHz         ≥ 30 dB           No. of input         2           No. of output         1           Connectors standard         Input 7/8" (See table)           Output 7/8"           Max Power         2KW × 2 CHANNELS           Working Temperature         -20°C ÷ +50°C           Colour         Enamel Gray Ral 7001           Materials         Aluminium, Brass, Copper, PTFE, Stainless Steel,	Insertion Loss	at $f_0^{}$ 0.25 dB max		
No. of input         2           No. of output         1           Connectors standard         Input 7/8" (See table)           Output 7/8"           Max Power         2KW × 2 CHANNELS           Working Temperature         -20°C ÷ +50°C           Colour         Enamel Gray Ral 7001           Materials         Aluminium, Brass, Copper, PTFE, Stainless Steel,	Return Loss ±150Khz	≤ -26dB		
No. of output         1           Connectors standard         Input 7/8" (See table)           Output 7/8"           Max Power         2KW × 2 CHANNELS           Working Temperature         -20°C ÷ +50°C           Colour         Enamel Gray Ral 7001           Materials         Aluminium, Brass, Copper, PTFE, Stainless Steel,	Isolation ±2MHz	≥ 30 dB		
Connectors standard         Input 7/8" (See table)           Output 7/8"         Output 7/8"           Max Power         2KW × 2 CHANNELS           Working Temperature         -20°C ÷ +50°C           Colour         Enamel Gray Ral 7001           Materials         Aluminium, Brass, Copper, PTFE, Stainless Steel,	No. of input	2		
Output 7/8"           Max Power         2KW × 2 CHANNELS           Working Temperature         -20°C ÷ +50°C           Colour         Enamel Gray Ral 7001           Materials         Aluminium, Brass, Copper, PTFE, Stainless Steel,	No. of output	1		
Max Power     2KW × 2 CHANNELS       Working Temperature     -20°C ÷ +50°C       Colour     Enamel Gray Ral 7001       Materials     Aluminium, Brass, Copper, PTFE, Stainless Steel,	Connectors standard	Input 7/8" (See table)		
Working Temperature  -20°C ÷ +50°C  Colour  Enamel Gray Ral 7001  Aluminium, Brass, Copper, PTFE, Stainless Steel,		Output 7/8"		
Colour Enamel Gray Ral 7001  Materials Aluminium, Brass, Copper, PTFE, Stainless Steel,	Max Power	2KW × 2 CHANNELS		
Materials Aluminium, Brass, Copper, PTFE, Stainless Steel,	Working Temperature	-20°C ÷ +50°C		
	Colour	Enamel Gray Ral 7001		
	Materials			



## 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)×485×400 mm (51.2(Max size)×19.09×15.74 inch) (H×L×W)
Net Weight	≃ 45 Ka

