

FM star combiners

Dual, Tri, Quad & Penta configurations >1.5 MHz channel spacing

The below models of combiners allow for multiple inputs from a transmitter to be combined into one antenna.

The below models of dual-combiners are:

- Suitable for low to medium power FM radio broadcasting
- Available in multiple configurations of input/output connectors
- High quality construction for a long, reliable service life
- Version with 2.5 MHz channel spacing available



FDT-403 model for 19" rack mounting

SKU	FDT-403S*	FDT-2000S	FDT-2000S-H	FDT-4000S	FDT-6000S	FDT-10000S
Construction	Surtec 650 passivated finish aluminium, silver plated copper internals and PTFE					
Frequency range	87.5-108 MHz - FM Radio					
Bandwidth - 3dB specify	200 kHz	300 kHz	300-600 kHz			
VSWR	<1.15:1					
Min. space between channels	>1.5 MHz					
Impedance	50 Ohms					
Thru loss	<0.8dB	<0.6dB		<0.5dB		
Isolation between channels	35dB typical					
Working temperature	+10° to +40°C					
Input connector	2 x N-type female		2 x 7/16" DIN female		2 x 7/8" EIA	
Output connector	N-type female	7/16" DIN female	7/8" EIA		1-5/8" EIA	
Maximum power - input	2 x 200 Watts	2 x 800 Watts	2 x 1.2 Kilowatts	2 x 2 Kilowatts	2 x 3 Kilowatts	2 x 5 Kilowatts
Weight	31.0kg	32.0kg	34.0kg	52.0kg	60.0kg	90.0kg
Dimensions	H: 800mm W: 490mm D: 260mm	H: 1300mm W: 410mm D: 400mm	H: 1300mm W: 410mm D: 400mm	H: 1300mm W: 600mm D: 410mm	H: 1300mm W: 600mm D: 410mm	H: 1300mm W: 730mm D: 700mm
Warranty	2 Year warranty on manufacturing defects, 1 Year warranty on termination/connections from purchase date					

* The FDT-403S is suitable for a 19" (inch) 9U rack mounting

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The below models of tri-combiners are:

- Suitable for low to medium power FM radio broadcasting
- Available in multiple configurations of input/output connectors
- High quality construction for a long, reliable service life
- Version with 2.5 MHz channel spacing available



FTT-7500S model

SKU	FTT-603S*	FTT-3000S	FTT-3000S-H	FTT-7500S
Construction	Surtec 650 passivated finish aluminium, silver plated copper internals and PTFE			
Frequency range	87.5-108 MHz - FM Radio			
Bandwidth - 3dB specify	300-600 kHz			
VSWR	<1.15:1			
Min. space between channels	>1.5 MHz			
Impedance	50 Ohms			
Thru loss	<0.8dB	<0.6dB		<0.5dB
Isolation between channels	35dB typical			
Working temperature	+10° to +40°C			
Input connector	3 x N-type female		3 x 7/16" DIN female	3 x 7/8" EIA
Output connector	7/16" DIN female		1-5/8" EIA	
Maximum power - input	3 x 200 Watts	3 x 500 Watts	3 x 1 Kilowatts	3 x 2.5 Kilowatts
Weight	36.0kg	60.0kg	61.0kg	81.0kg
Dimensions	H: 800mm W: 490mm D: 390mm	H: 1300mm W: 620mm D: 400mm	H: 1300mm W: 620mm D: 400mm	H: 1300mm W: 620mm D: 600mm
Warranty	2 Year warranty on manufacturing defects, 1 Year warranty on termination/connections from purchase date			

* The FTT-603S is suitable for a 19" (inch) 12U rack mounting

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- Suitable for low to medium power FM radio broadcasting
- Available in multiple configurations of input/output connectors
- High quality construction for a long, reliable service life
- Version with 2.5MHz channel spacing available



FQT-4000S model

SKU	FQT-4000S	FQT-4000S-H	FQT-8000S
Construction	Surtec 650 passivated finish aluminium, silver plated copper internals and PTFE		
Frequency range	87.5-108 MHz - FM Radio		
Bandwidth - 3dB specify	300-600 kHz		
VSWR	<1.15:1		
Min. space between channels	>1.5 MHz		
Impedance	50 Ohms		
Thru loss	<0.6dB		<0.5dB
Isolation between channels	35dB typical		
Working temperature	+10° to +40°C		
Input connector	4 x N-type female	4 x 7/16" DIN female	4 x 7/8" EIA
Output connector	7/8" EIA	1-5/8" EIA	
Maximum power - input	4 x 500 Watts	4 x 1 Kilowatts	4 x 2 Kilowatts
Weight	74.0kg	75.0kg	118.0kg
Dimensions	H: 1300mm W: 900mm D: 420mm	H: 1300mm W: 900mm D: 420mm	H: 1300mm W: 1300mm D: 420mm
Warranty	2 Year warranty on manufacturing defects, 1 Year warranty on termination/connections from purchase date		

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The below model, Pentaplexer combiner is:

- Suitable for low to medium power FM radio broadcasting
- High quality construction for a long, reliable service life

SKU	FPT-2500S
Construction	Surtec 650 passivated finish aluminium, silver plated copper internals and PTFE
Frequency range	87.5-108 MHz - FM Radio
Bandwidth - 3dB specify	300-600 kHz
VSWR	<1.15:1
Min. space between channels	>1.6 MHz
Impedance	50 Ohms
Thru loss	<0.6dB
Isolation between channels	>28dB - typical
Working temperature	+10° to +45°C
Input connector	5 x N-type female
Output connector	7/8" EIA
Maximum power - input	5 x 500 Watts
Weight	80.0kg
Dimensions	H: 815mm W: 608mm D: 1250mm
Warranty	2 Year warranty on manufacturing defects, 1 Year warranty on termination/connections from purchase date

