

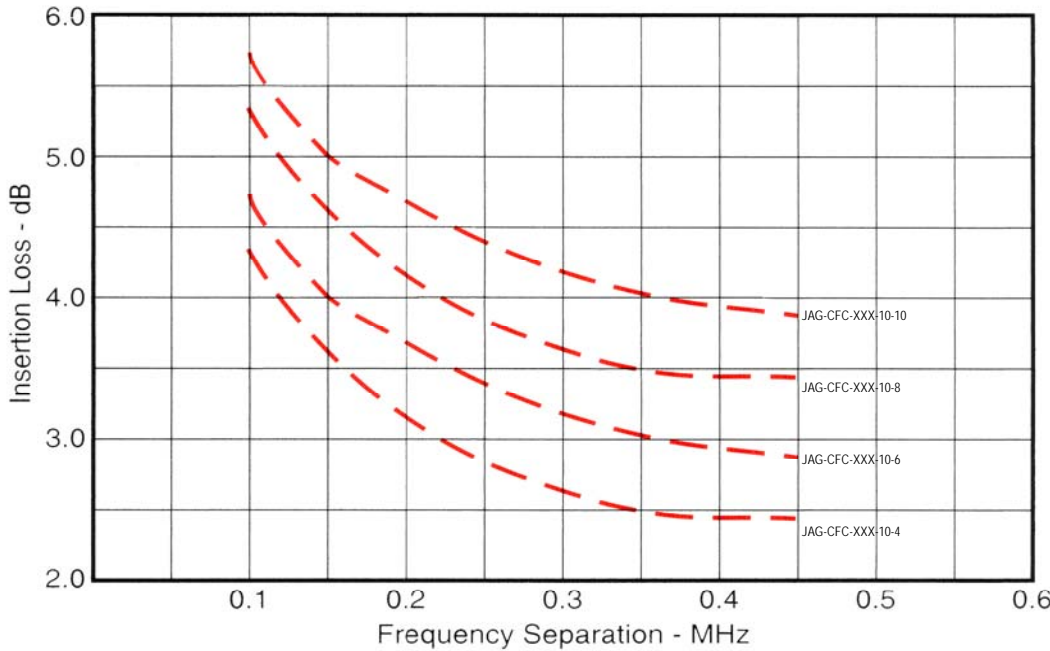


**CFC1 Series**  
**4CH Transmitter** VHF UHF  
**Combiner**  
**380-390 MHz**



**Electromagnetics**  
*"Quality is everything."*

**JAG-CFC-385-10-4-OF**



JAG-CFC-455-10-8-OF Shown for illustration

\* This is a general representation of this model's insertion loss.

The JAG-CFC-385-10-4-OF four-channel cavity-ferrite transmitter combiner is comprised of 10-inch aluminum cavities and ferrite isolators to maintain a very high Q and a high degree of isolation. As a consequence, the JAG-CFC-385-10-4-OF offers relatively low loss at frequency spacing as close as 100 kHz, a significant improvement over a conventional hybrid-ferrite combiner.

The JAG-CFC-385-10-4-OF has been designed with temperature compensation in mind to avoid detuning and as a result, frequency drift over the operating temperature range is extremely small ( $\approx 0.5$  ppm / degC).

Electrical Specifications		Mechanical Specifications		Environmental	
Model	JAG-CFC-385-10-4-OF	Model	JAG-CFC-385-10-4-OF	Model	JAG-CFC-385-10-4-OF
Field Tunable Frequency Range (MHz)	380 – 390	Height	inches (mm) 38 (965)	Temperature Range	-30-degC to +60-degC
Frequency Separation (MHz)	0.1 – 10.0	Width	inches (mm) 21 (533)		
Number of Channels	4	Depth	inches (mm) 21 (533)	<div style="border: 1px solid black; padding: 5px;"> <p><b>Notes:</b></p> <ol style="list-style-type: none"> <li>Other frequency ranges available upon request.</li> <li>This combiner is available in 2 to 32 channel configurations.</li> <li>Channel expansion kits available upon request.</li> </ol> </div>	
Insertion Loss per Channel (dB)	See Curve	Weight	lb (kg) 103 (48.1)		
Isolation (dB)	Tx to Tx	Mounting System* Open-frame			
	Ant. to Tx	*Open-frame has locking casters for mobility. Two frames can be stacked to conserve space.			
Maximum Input VSWR	1.25:1	Termination	'N' Female		
Maximum Output VSWR	1.5:1				
Maximum Input Power per Channel (Watts)	125				
Nominal Impedance ( $\Omega$ )	50				

JAG-CFC-385-10-4-OF Product Specification Sheet.

Specifications are subject to change without notice. As a result, all information contained in the present datasheet is subject to confirmation at time of ordering.

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JAG's dedication to continuous Research & Development will result in product improvements as they evolve.