



Electromagnetics
"Quality is everything."

ISLI Series

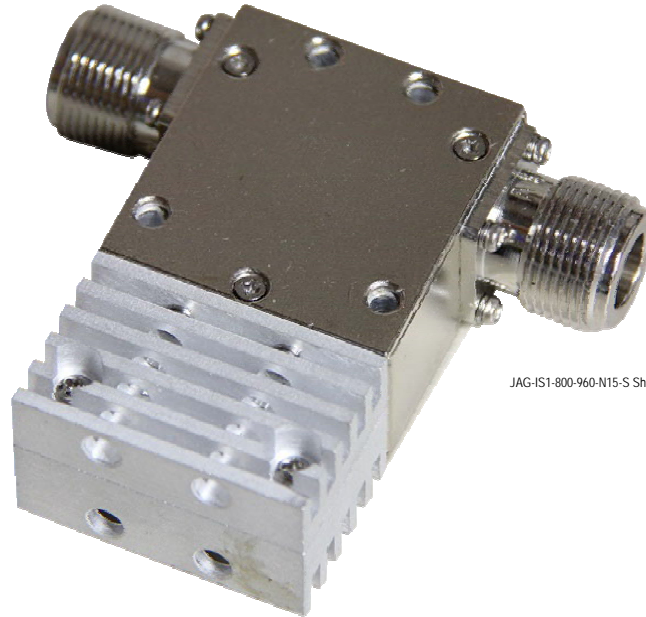
Single Stage Coaxial Isolator

420-450 MHz

VHF
UHF



JAG-IS1-420-450-N10-X



JAG-IS1-900-960-N15-S Shown with standard load for illustration

* This is a general representation of what the actual product may look like.

JAG coaxial isolators offer excellent performance in a compact rugged package. Quality components ensure good isolation with low insertion loss over their full operating temperature range. These isolators come equipped with a variety of load terminations. JAG ISLI series coaxial isolators offer a broad selection of frequency ranges and bandwidth from 132MHz-18GHz and from 1% to full bandwidth. Applications of these isolators range from military to space to commercial and are available in high power versions with connector options from N type to SMA. Other options available are integral attenuators and custom designs.

Electrical Specifications			Mechanical Specifications			Environmental		
Model	JAG-IS1-420-450-N10-X		Model	JAG-IS1-420-450-N10-X		Model	JAG-IS1-420-450-N10-X	
Frequency Range (MHz)	420-450	*Note 1	Height	inches (mm)	3.35 (85)	Temperature Range	-30-degC to +60-degC	
Bandwidth @ 1.25:1 VSWR or Better (MHz)	30		Width	inches (mm)	2.05 (52)	Notes: 1. Specify model number and exact frequency when ordering 2. Reverse power ratings for isolators are determined by load size with a maximum going up to 100W 3. Replace the X in the model number for optional loads as follows: <ul style="list-style-type: none"> • S = Standard load (default) • 15 = 15W load • 30 = 30W load • 60 = 60W load • 100 = 100W load Example: JAG-IS1-420-450-N10-15 (comes with a 15W load)		
Maximum Input VSWR	1.25:1		Depth	inches (mm)	0.875 (22)			
Maximum FWD Input Power (Watts)	200		Weight	lb (kg)	2 (0.91)			
Maximum REV Input Power (Watts)	100		Mounting Systems	19-inch rack mount				
Maximum Insertion Loss (dB)	0.35			Cavity				
Minimum Isolation (dB)	22			Plate				
Nominal Impedance (Ω)	50		Cabinet					
Optional Load Sizes (Watts)	15	*Note 3	Customized					
	30	*Note 3	Termination (default)	N-f				
	60	*Note 3	Termination (optional)	N-m/ SMA-f(m)				
	100	*Note 3	Case Code	IC02				

JAG-IS1-420-450-N10-X 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.