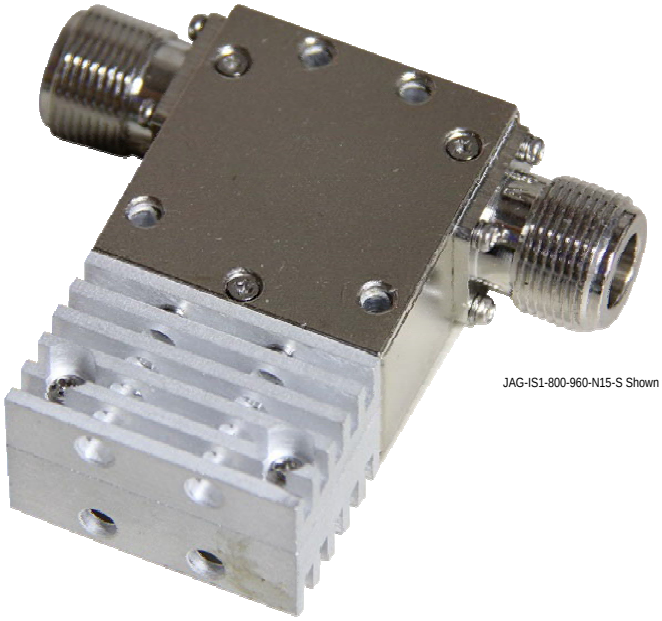
JAG™ Electromagnetics
"Quality is everything."

ISLI Series
Single Stage Coaxial Isolator
VHF UHF

860-872 MHz

JAG-IS1-860-872-S10-X



JAG-IS1-800-960-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

Model	JAG-IS1-860-872-S10-X	
Frequency Range (MHz)	860-872	*Note 1
Bandwidth @ 1.25:1 VSWR or Better (MHz)	12	
Maximum Input VSWR	1.25:1	
Maximum FWD Input Power (Watts)	150	
Maximum REV Input Power (Watts)	100	
Maximum Insertion Loss (dB)	0.35	
Minimum Isolation (dB)	22	*Note 2
Nominal Impedance (Ω)	50	
Optional Load Sizes (Watts)	15 30 60 100	*Note 3 *Note 3 *Note 3 *Note 3

Mechanical Specifications

Model	JAG-IS1-860-872-S10-X	
Height	inches (mm)	2.36 (60)
Width	inches (mm)	1.38 (35)
Depth	inches (mm)	0.787 (20)
Weight	lb (kg)	2 (0.91)
Mounting Systems		19-inch rack mount Cavity Plate Cabinet Customized
Termination (default) Termination (optional)		SMA-f N-f(m)/ SMA-m
Case Code		IC04

Environmental

Model	JAG-IS1-860-872-S10-X
Temperature Range	-30-degC to +75-degC

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:
   - S = Standard load (default)
   - 15 = 15W load
   - 30 = 30W load
   - 60 = 60W load
   - 100 = 100W load

Example: JAG-IS1-860-872-S10-15 (comes with a 15W load)

JAG-IS1-860-872-S10-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.