## Single Stage Ferrite Circulator / Isolator

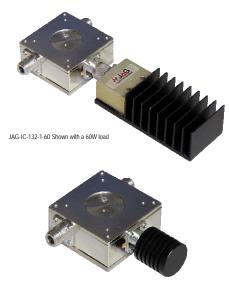
93-94 MHz





**JAG-IC-93-1-XX** 





JAG-IC-132-1-30 Shown with a 30W load

JAG isolators and circulators offer superior performance in a compact rugged package. Careful temperature compensation and top quality components ensure high isolation with very low insertion loss over their full operating temperature range, and offer a high degree of RF and magnetic stability. Circulators are supplied without loads. Isolators come equipped with a variety of load terminations. JAG isolators and circulators are available factory-tuned in the 70, 150, 450 and 800-960 MHz frequency bands. Field tunable isolators are available for the 138-174 and 406-430 or 450-470 MHz bands.

Electrical Specifications			Mechanical Specifications			<b>Environmental</b>		
Model JAG-IC-93-1-XX			Model JAG-IC-93-1-XX			Model JAG-IC-93-1-XX		
Frequency Range (MHz)	93-94	*Note 1	Height in	ches (mm)	3 (76.2)	Temperat	ure Range -40-degC to +60-degC	
Bandwidth @ 1.3:1 VSWR or Bette	er (MHz)	2	Width in	ches (mm)	3 (76.2)	Notes:		
Maximum Input VSWR	1.3:1		Depth in	ches (mm)	1.4 (35)	1.	Specify model number and exact frequency when ordering	
Maximum Input Power (Watts)	125	*Note 2	Weight lb	(kg) 2.2 (	.0) *No load	2.	circulators is determined by load size	
Maximum Insertion Loss (dB)	num Insertion Loss (dB) 0.7		Mounting Syst		19-inch rack mount	with a maximum going up to 125W 3. Typically 25-30dB of reverse isolation		
Typical Insertion Loss (dB)	0.4			Plate	Cavity Plate Cabinet Customized	4.	may be observed Replace the X in the model number as follows: 0 = Circulator (no loads)	
Isolation (dB)	22	*Note 3						
Nominal Impedance (Ω)	50		Termination	'N' F	'N' Female		<ul> <li>15 = 15W load</li> <li>30 = 30W load</li> </ul>	
Output Load Size (Watts)	15 30 60 125	*Note 4 *Note 4 *Note 4 *Note 4				Example: load)	<ul> <li>60 = 60W load</li> <li>125 = 125W load</li> <li>Example: JAG-IC-93-1-60 (comes with a 60W load)</li> </ul>	

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Electromagnetics

JAG-IC-93-1-XX Product Specification Sheet.

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

Issue:

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