I2112A Isolator, single stage, 5 MHz bandwidth, 30 watt load, 125 watt input power, 132-174 MHz

- Carefully temperature compensated
- Low insertion loss
- Highly reliable design with top quality sub-components

Sinclair's 'I' series isolator 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.
Threaded holes in the steel casing allow surface mounting to any non-magnetic material. Aluminum brackets can also be supplied to isolate the unit from mounting surface to increase their stability.
A variety of models are available factory-tuned in the 70, 150, 450 and 800 MHz frequency bands.
In addition, field tunable isolators are available for the 138-174 and 406-430 or 450-470 MHz bands. Suffix 'T' on applicable model numbers designates field tunable.

Preliminary

www.sinctech.com

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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Electrical Specifications

Frequency Range	MHz	132 to 174
Bandwidth	MHz	5
VSWR (max)		1.25:1
Insertion loss (typ) Tx to Ant	dB	0.4
Isolation (typ)	dB	35
Connectors		N-Female
Power Input	W	125
Insertion loss (max) Tx to Ant	dB	0.6
Isolation (min)	dB	25

Mechanical Specifications

Depth	in (mm)	1.4 (36)
Length/ Height	in (mm)	3.5 (89)
Width	in (mm)	2.5 (64)
Weight	lbs (kg)	1.3 (0.59)
Actual Shipping weight	lbs (kg)	2 (0.91)
Shipping dimensions	in (mm)	13x9x3 (330x229x76)

Environmental Specifications

Temperature range	°F (°C)	-22 to +140 (-30 to +60)

Ordering Information
Height, width, depth and weight excludes connectors and loads

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