

I411(X)A Single/Dual Stage Isolator/Circulator, 806-960 MHz

- Temperature compensated
- Low insertion loss, high isolation
- Each unit is optimized to customer specified frequency

Sinclair's 'I4' series 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. The compact I-4133CM and I-4233CM feature internal load termination.

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 the mounting surface to increase 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.



Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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Product Specification Sheet		I411(X)A	Issue: 1	Dated: 08-10-13

Electrical Specifications

Frequency Range	MHz	806 to 960
Bandwidth	MHz	25
VSWR (max)		1.25:1
Insertion loss (typ) Tx to Ant	dB	0.3
Isolation (typ)	dB	35
Connectors		N-Female
Power Input	W	125
Insertion loss (max) Tx to Ant	dB	0.4
Isolation (min)	dB	25

Mechanical Specifications

Length/ Height	in (mm)	2.5 (64)
Width	in (mm)	2.5 (64)
Weight	lbs (kg)	1.1 (0.5)

Ordering Information

Height, width, depth and weight excludes connectors and loads

Environmental Specifications

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