

**I421(Y)A** Compact Rugged Isolator/ Circulator, dual stage, 806-960 MHz

- Temperature compensated
- Dual stage, low insertion loss, high isolation
- Reliable design with top quality sub-components
- 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. 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.

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.

Please specify the Tx frequency and load requirement at time of order, or contact your Sinclair Sales Representative or Customer Service Representative for assistance and detailed info.

- |   |                   |
|---|-------------------|
| Y | Load              |
| 0 | No load           |
| 2 | Dual 30 watt      |
| 3 | 30 watt + 60 watt |



I4212A dual 30 watt model shown.

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		I421(Y)A	Issue: 2	Dated: 04-04-17

### Electrical Specifications

Frequency Range	MHz	806 to 960
Bandwidth	MHz	25
Field Tunable		No
VSWR (max)		1.25:1
Insertion Loss (typ) Tx to Ant	dB	0.3
Insertion Loss (max) Tx to Ant	dB	0.4
Connectors		N-Female
Power Input	W	125
Isolation (typ)	dB	70
Isolation (min)	dB	50

### Mechanical Specifications

Width	in (mm)	4.5 (114)
Depth	in (mm)	1.4 (36)
Length/ Height	in (mm)	2.5 (64)
Weight	lbs (kg)	2.2 (1)

### Ordering Information

Height, width, depth and weight excludes connectors and loads.

Specify Tx frequency at time of order.

### Environmental Specifications

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