

### I221(Y)A-220 Compact Rugged Isolator/ Circulator, 210-235 MHz

- Temperature compensated
- Low insertion loss, high isolation
- High reliable design with top quality sub-components
- Each unit is optimized to customer specified frequency

Sinclair's 'I2' 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.

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.

Circulators are supplied without loads. Isolators come equipped with a variety of load terminations.

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 |



I221A-220 model shown

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	210 to 235
Bandwidth	MHz	5
Field Tunable		No
VSWR (max)		1.25:1
Isolation (typ)	dB	75
Connectors		N-Female
Power Input	W	125
Insertion Loss (typ) Tx to Ant	dB	0.7
Insertion Loss (max) Tx to Ant	dB	1
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)
Actual shipping weight	lbs (kg)	3 (1.36)
Shipping dimensions	in (mm)	13x9x3 (330x229x76)

#### Ordering Information

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

Specify Tx frequency for unit to be tuned to.

#### Environmental Specifications

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