

I311(X)T-(Z) Compact Rugged Isolator/ Circulator, field tunable, 406-512 MHz

- Temperature compensated
- Low insertion loss, high isolation
- Reliable design with top quality sub-components

Sinclair's 'I3' 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.

Please specify the frequency band and load requirement with the order, or contact your Sinclair Sales Representative or Customer Service Representative for more assistance and info.

- X Load
- 0 No load
 - 2 30 watt
 - 3 60 watt

- Z Frequency Range
- 1 406-430 MHz
 - 2 430-450 MHz
 - 3 450-470 MHz
 - 4 470-490 MHz
 - 5 490-512 MHz



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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Product Specification Sheet		I311(X)T-(Z)	Issue: 2	Dated: 31-03-15

Electrical Specifications

Frequency Range	MHz	406 to 512
Bandwidth	MHz	12
Field Tunable		Yes
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	0.6
Isolation (min)	dB	25

Mechanical Specifications

Depth	in (mm)	1.4 (36)
Length/ Height	in (mm)	2.5 (64)
Width	in (mm)	2.5 (64)
Weight	lbs (kg)	1.1 (0.5)
Actual Shipping weight	lbs (kg)	2 (0.91)
Shipping dimensions	in (mm)	13x9x3 (330x229x76)

Ordering Information

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

Specify Tx frequency and load at time of order.

Environmental Specifications

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