Product Specification Sheet



Isolators and Circulators **UHF and Tetra Isolators & Circulators** 13 Series

A Norsat Company in Norsat

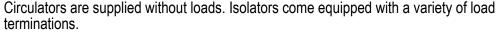


1321(Y)A Compact Rugged Isolator/ Circulator, 406-512 MHz

- · 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 '13' 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.



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.

- Υ Load
- 0 No load
- 2 Dual 30 watt
- 30 watt + 60 watt



I3212A dual 30 Watt model shown

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
Telephone	USA: 1 800 263 3275	International: +44 (0) 1487 84 28 19	International: +1 905 726 7676	Canada: 1 800 263 3275 International: +1 905 727 0165
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Issue: 2



Isolators and Circulators
UHF and Tetra Isolators & Circulators
I3 Series

A Norsat Company Norsat

Frequency Range	MHz	406 to 512	
Bandwidth	MHz	12	
Field Tunable		No	
VSWR (max)		1.25:1	
Insertion loss (typ) Tx to Ant	dB	0.6	
Isolation (typ)	dB	75	
Connectors		N-Female	
Power Input	W	125	
Insertion loss (max) Tx to Ant	dB	0.9	
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Isolation (min)	dB	50	
Mechanical Specifications Width	in (mm)		
Mechanical Specifications	·	4.5 (114) 1.4 (36)	
Mechanical Specifications Width	in (mm)	4.5 (114)	
Mechanical Specifications Width Depth	in (mm) in (mm)	4.5 (114) 1.4 (36)	
Mechanical Specifications Width Depth Length/ Height	in (mm) in (mm) in (mm)	4.5 (114) 1.4 (36) 2.5 (64)	
Mechanical Specifications Width Depth Length/ Height Weight	in (mm) in (mm) in (mm) lbs (kg)	4.5 (114) 1.4 (36) 2.5 (64) 2.2 (1)	
Mechanical Specifications Width Depth Length/ Height Weight Actual Shipping weight	in (mm) in (mm) in (mm) Ibs (kg) Ibs (kg)	4.5 (114) 1.4 (36) 2.5 (64) 2.2 (1) 3.5 (1.59)	
Mechanical Specifications Width Depth Length/ Height Weight Actual Shipping weight	in (mm) in (mm) in (mm) Ibs (kg) Ibs (kg)	4.5 (114) 1.4 (36) 2.5 (64) 2.2 (1) 3.5 (1.59)	

Ordering Information

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

Specify Tx frequency at time of order.

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Product Specification Sheet		I321(Y)A	Issue: 2	Dated: 06-07-15