**Product Specification Sheet** 



Isolators and Circulators
UHF and Tetra Isolators & Circulators
I3 Series

A Norsat Company 

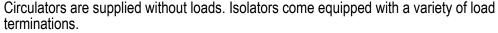
Norsat | Norsat | Norsat | International Inc.

## I321(Y)T-(Z) 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 frequency band 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
- Z Frequency Range
- 1 406-430 MHz
- 2 430-450 MHz
- 3 450-470 MHz
- 4 470-490 MHz
- 5 490-512 MHz



Dual 30 Watt model shown

Issue: 2

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
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com

1321(Y)T-(Z)

Dated: 06-07-15



## Isolators and Circulators UHF and Tetra Isolators & Circulators I3 Series

A Norsat Company in Norsat

**Environmental Specifications** 

Temperature range

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	0.6	
Isolation (typ)	dB	75	
Connectors		N-Female	
Power Input	W	125	
Insertion loss (max) Tx to Ant	dB	0.9	
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)	
vveigni	ius (kg)	2:2 (1)	
Actual Shipping weight	lbs (kg)	3.5 (1.59)	

°F (°C)

## Ordering Information

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

Specify Tx frequency at time of order.

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
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com
Product Specification Sheet		I321(Y)T-(7)	Issue: 2	Dated: 06-07-15

-22 to +140 (-30 to +60)