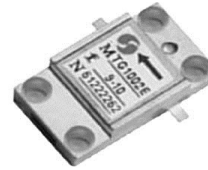


## Stripline Isolators and Circulators, SNS Series

### FEATURES:

- ◆ Frequency coverage: 1.0 to 18 GHz
- ◆ Broad bandwidth
- ◆ Low insertion loss and high isolation
- ◆ Rugged configuration and low profile



### APPLICATIONS:

- ◆ Port isolations
- ◆ Module integrations
- ◆ Instrumentations

### DESCRIPTION:

**SNS series** stripline isolators and circulators are offered to cover the frequency range of 1.0 to 18 GHz. These isolators and circulators are designed and manufactured to provide low insertion loss and high isolation for microstrip and stripline based module integrations. The 50 Ω input and output stripline configuration is immediately ready for circuit insertion. While the isolator is an important device where the port isolation or VSWR are concerned, the circulator offers duplexing functions in many radar and communication systems. The catalog models focus on broad bandwidth and general purpose, while custom designed models with improved insertion loss and isolation are available.

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Model Number	Frequency Range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR	Forward Power Handling (W)	Type
SNS-0130230716-I1	1.0 to 2.0	0.7	16	1.40:1	10	Isolator
SNS-0230430618-I1	2.0 to 4.0	0.6	18	1.40:1	10	Isolator
SNS-0330630617-I1	3.0 to 6.0	0.6	17	1.40:1	10	Isolator
SNS-0430830618-I1	4.0 to 8.0	0.6	18	1.30:1	10	Isolator
SNS-0230831512-I1	2.0 to 8.0	1.5	12	1.80:1	10	Isolator
SNS-0631230618-I1	6.0 to 12.0	0.6	18	1.40:1	10	Isolator
SNS-0831230520-I1	8.0 to 12.0	0.5	20	1.25:1	10	Isolator
SNS-1031530520-I1	10.0 to 15.0	0.5	20	1.25:1	10	Isolator
SNS-0831830817-I1	8.0 to 18.0	0.8	17	1.40:1	10	Isolator
SNS-0631831512-I1	6.0 to 18.0	1.5	12	1.80:1	10	Isolator
SNS-0130230715-C1	1.0 to 2.0	0.7	15	1.40:1	10	Circulator
SNS-0230430616-C1	2.0 to 4.0	0.6	16	1.40:1	10	Circulator
SNS-0330630618-C1	3.0 to 6.0	0.6	16	1.40:1	10	Circulator
SNS-0430830618-C1	4.0 to 8.0	0.6	18	1.30:1	10	Circulator
SNS-0631230616-C1	6.0 to 12.0	0.6	16	1.40:1	10	Circulator
SNS-0831230520-C1	8.0 to 12.0	0.5	20	1.25:1	10	Circulator
SNS-1031530618-C1	12.0 to 18.0	0.6	18	1.35:1	10	Circulator
SNS-0831830816-C1	8.0 to 18.0	0.8	16	1.50:1	10	Circulator
SNS-0631831512-C1	6.0 to 18.0	1.5	12	1.80:1	10	Circulator

### CATALOG MODELS:

### CUSTOM DESIGNED MODELS:

Sage Millimeter's custom designed stripline isolator and circulator model numbers are configured per following format. Customers may refer to the format and specify their own model numbers accordingly when placing the order.

**SNS - F1N F2N IL IS - XY**

**F1N** is the start frequency in MHz x 10N. For example: 14.0 GHz = 143

**F2N** is the stop frequency in MHz x 10N. For example: 15.0 GHz = 153

**IL** is the insertion loss in 1/10 dB. For example: 0.3 dB = 03

**IS** is the isolation in dB. For example: 23 dB = 23

**X:** "I" is for isolator and "C" is for circulator.

**Y** is for factory reserve.