

## Iso-adapters, SNA Series

### FEATURES:

- ◆ Frequency coverage: 5.0 to 50 GHz
- ◆ Up to full waveguide operations
- ◆ Low insertion loss and high isolation
- ◆ Common radar and communication bands



### APPLICATIONS:

- ◆ Module integrations
- ◆ Instrumentations
- ◆ System integrations

### DESCRIPTION:

**SNA series** coaxial to waveguide iso-adapters are offered to cover the frequency range of 5.0 to 50 GHz. These iso-adapters are designed and manufactured to provide low insertion loss and high isolation for ease system integration where coaxial and waveguide interfaces are involved. Various coaxial connector types, such as N, SMA and K type, are available for customers to configure. While the catalog models focus on common radar and communication bands and general purpose, custom designed models are available as custom orders.

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Model Number	Frequency Range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR	Forward Power Handling (W)	Input Coaxial Connector	Output Waveguide
SNA-4425020325-SF187-S1	4.4 to 5.0	0.3	25	1.2:1	10	SMA(F)	WR-187
SNA-7428520325-SF112-S1	7.4 to 8.5	0.3	25	1.2:1	10	SMA(F)	WR-112
SNA-8829720325-SF90-S1	8.8 to 9.7	0.3	25	1.2:1	10	SMA(F)	WR-90
SNA-1131330422-SF75-S1	10.7 to 12.8	0.4	22	1.2:1	10	SMA(F)	WR-75
SNA-1331830425-SF62-S1	12.0 to 18.0	0.4	25	1.2:1	10	SMA(F)	WR-62
SNA-1832730516-KF42-S1	18.0 to 26.5	0.5	16	1.2:1	2	K(F)	WR-42
SNA-2132330420-KF42-S1	21.0 to 23.0	0.4	20	1.2:1	2	K(F)	WR-42
SNA-2332630420-KF42-S1	23.0 to 26.0	0.4	20	1.2:1	2	K(F)	WR-42
SNA-2734030616-KF28-S1	26.5 to 40.0	0.6	16	1.2:1	2	K(F)	WR-28
SNA-2833230420-KF28-S1	28.0 to 32.0	0.4	20	1.2:1	2	K(F)	WR-28
SNA-3333730420-KF28-S1	33.0 to 37.0	0.4	20	1.2:1	2	K(F)	WR-28
SNA-3734030520-KF28-S1	37.0 to 40.0	0.5	20	1.2:1	2	K(F)	WR-28
SNA-4034430518-2F22-S1	40.0 to 44.0	0.5	18	1.2:1	2	2.4 mm (F)	WR-22
SNA-4634830520-2F22-S1	46.0 to 48.0	0.5	20	1.2:1	2	2.4 mm (F)	WR-22

### CATALOG MODELS:

### CUSTOM DESIGNED MODELS:

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

**SNA - F1N F2N IL IS - C1 CO - XY**

**F1N** is the start frequency in MHz x 10N. For example: 37.0 GHz = 373

**F2N** is the stop frequency in MHz x 10N. For example: 40.0 GHz = 403

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

**IS** is the isolation in dB. For example: 18 dB = 18

**C1** is the input connector type. For example: SMA(F) = SF

**CO** is the output connector type. For example: WR-28 = 28

**X** is for isolator type. "S" is for standard, "C" is for custom designed.

**Y** is for factory reserve.