Waveguide Junction Isolators and Circulators, SNW Series

FEATURES:

- Frequency coverage: 8.2 to 110 GHz
- Broad bandwidth
- Low insertion loss and high isolation
- Compact configuration

APPLICATIONS:

- Port isolations
- Module integrations

DESCRIPTION:

SNW series waveguide junction isolators and circulators are offered to cover the frequency range of 8.2 to 110 GHz. These isolators and circulators are designed and manufactured to provide low insertion loss and high isolation for waveguide based component and module integrations. The waveguide input and output configuration is readily 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. While the catalog models focus on specific frequency bands and performance, custom designed models are available to meet customers' unique applications needs.

CATALOG MODELS (Isolators):

Band	WG Size	Model Number	Frequency Range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR	Forward Power (W)	Load Power (W)	Outline
X	WR-90	SNW-8529620320-90-I1	8.5 to 9.6	0.3	20	1.25:1	10	0.5	NW-IX
X	WR-90	SNW-0931030320-90-I1	9.0 to 10.0	0.3	20	1.25:1	10	0.5	NW-IX
X	WR-90	SNW-1031130320-90-I1	10.0 to 11.0	0.3	20	1.25:1	10	0.5	NW-IX
WR-75	WR-75	SNW-1231330320-75-I1	11.5 to 12.5	0.3	20	1.25:1	10	0.5	NW-I7
WR-75	WR-75	SNW-1331430320-75-I1	12.5 to 13.5	0.3	20	1.25:1	10	0.5	NW-I7
Ku	WR-62	SNW-1331530418-62-I1	12.7 to 15.2	0.4	18	1.30:1	5	0.5	NW-I6
Ku	WR-62	SNW-1631730320-62-I1	16.0 to 17.0	0.3	20	1.25:1	5	0.5	NW-I6
WR-51	WR-51	SNW-1832130318-51-I1	17.7 to 21.2	0.3	18	1.25:1	5	0.5	NW-I5
K	WR-42	SNW-1831930320-42-I1	17.7 to 19.2	0.3	20	1.25:1	5	0.5	NW-IK
K	WR-42	SNW-2132430418-42-I1	21.2 to 23.6	0.3	18	1.30:1	5	0.5	NW-IK
K	WR-42	SNW-2332530320-42-I1	23.0 to 25.0	0.3	20	1.25:1	5	0.5	NW-IK
WR-34	WR-34	SNW-2532830320-34-I1	25.0 to 27.5	0.3	20	1.25:1	2	0.5	NW-I3
WR-34	WR-34	SNW-273313031834-I1	27.3 to 31.3	0.3	18	1.35:1	2	0.5	NW-I3
Ka	WR-28	SNW-2733230318-28-I1	27.0 to 32.0	0.3	18	1.35:1	2	0.5	NW-IA
Ka	WR-28	SNW-3233430320-28-I1	32.0 to 34.0	0.3	20	1.25:1	2	0.5	NW-IA
Ka	WR-28	SNW-3433630320-28-I1	34.0 to 36.0	0.3	20	1.25:1	2	0.5	NW-IA
Ka	WR-28	SNW-3734030320-28-I1	37.0 to 40.0	0.3	20	1.25:1	2	0.5	NW-IA
Q	WR-22	SNW-3834030420-22-I1	38.0 to 40.0	0.4	20	1.25:1	1	0.5	NW-IQ
Q	WR-22	SNW-4034430418-22-I1	40.0 to 44.0	0.4	18	1.30:1	1	0.5	NW-IQ
Q	WR-22	SNW-4234630418-22-I1	42.0 to 46.0	0.4	18	1.30:1	1	0.5	NW-IQ
U	WR-19	SNW-4935130520-19-I1	49.0 to 51.0	0.5	20	1.30:1	1	0.5	NW-IU
V	WR-15	SNW-5435630620-15-I1	54.0 to 56.0	0.6	20	1.30:1	1	0.5	NW-IV
V	WR-15	SNW-5936130820-15-I1	59.0 to 61.0	0.6	20	1.30:1	1	0.5	NW-IV
V	WR-15	SNW-6436630820-15-I1	64.0 to 66.0	0.6	20	1.30:1	1	0.5	NW-IV
E	WR-12	SNW-6937130720-12-I1	69.0 to 71.0	0.7	20	1.30:1	1	0.5	NW-IE
E	WR-12	SNW-7637830720-12-I1	76.0 to 78.0	0.7	20	1.30:1	1	0.5	NW-IE
W	WR-10	SNW-8338530620-10-I1	83.0 to 85.0	0.8	20	1.30:1	1	0.5	NW-IW
W	WR-10	SNW-9339530620-10-I1	93.0 to 95.0	0.8	20	1.30:1	1	0.5	NW-IW

© Copyright 2012 by Sage Millimeter, Inc.

Data subject to change without notice