

AT-SW-9.3-9.4-F



Please contact AntennaTec for a full interface control drawing.

9.3-9.4 GHz linearly polarized waveguide antennas fitted with a WR112

Key Specifications

Operating frequency band	9.3 - 9.4 GHz
Port	WR112
VSWR	< 2:1
Gain	25 dBi
3dB Beamwidth	10 degrees
Polarization	linear/vertical
Impedence	50 Ω

AntennaTec's slotted waveguide antenna range is designed for high-gain X-band and microwave applications requiring controlled beamwidth, efficient aperture radiation, and precise directional performance. The range includes linearly fed and monopulse slotted-waveguide configurations with different frequency bands, beamwidths, gain levels, aperture sizes, and WR90/WR112/WR284 waveguide interfaces. These antennas are suitable for radar-related systems, tracking, sensing, microwave links, RF testing, antenna evaluation, field measurements, and high-frequency communication applications where narrow beam control, stable gain, and reliable waveguide-fed performance are required.

List of slotted waveguide antennas

Frequency Range (GHz)	Product No	3dB Beamwidth	Feed	Gain (dBi)	Size	Waveguide size
9.3-9.4	AT-SW-9.3-9.4-F	10	Linear (H)	25 dBi	10" diameter	WR112/WG15
9.4-9.5	AT-SW-9.4-9.5-F	3.5	Linear(H)	34 dBi	600 mm diameter	WR90 / WG16
9.7 - 9.8	AT-SW-9.7-9.8-F	3.5	Linear(H)	34 dBi	600 mm diameter	WR90 / WG16
9.25 - 9.37	AT-SW-9.25-9.37-F	4.5 (Az) / 6.0 (El)	Linear(H)	30.5 dBi	526 x 330 mm	WR90 / WG16
9.20 - 9.30	AT-SW-9.2-9.3-F	2.0 (Az) / 22.0 - 40.0 (El)	Mono-pulse (V)	28 dBi	1200 x 200 mm	WR90 / WG16
9.5-10	AT-SW-9.5-10-F	4.9	Mono-pulse (V)	30 dBi	600 mm diameter	WR90 / WG16
3	AT-SW-3-F	1.4	Linear(H)	45 dBi	2.8 m	WR284
9.2-9.6	AT-SW-9.2-9.6-F	3.5 (Az) / 20.0 (El)	Mono-pulse (V)	30 dBi	674 x 190 mm	WR90 / WG16
9.38-9.44	AT-SW-9.38-9.44-F	4.0 (Az) / 4.8 (El)	Linear(H)	33 dBi	600 mm diameter	WR90 / WG16
9.3-10	AT-SW-9.3-10-F	4.9 (Az) / 4.9 (El)	Mono-pulse (V)	30 dBi	19" diameter	WR90 / WG16
9.38-9.44	AT-SW-9.38-9.44-F	5.2 +/- 0.2	Linear(H)	29.3 dBi	12 x 18"	WR90 / WG16

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