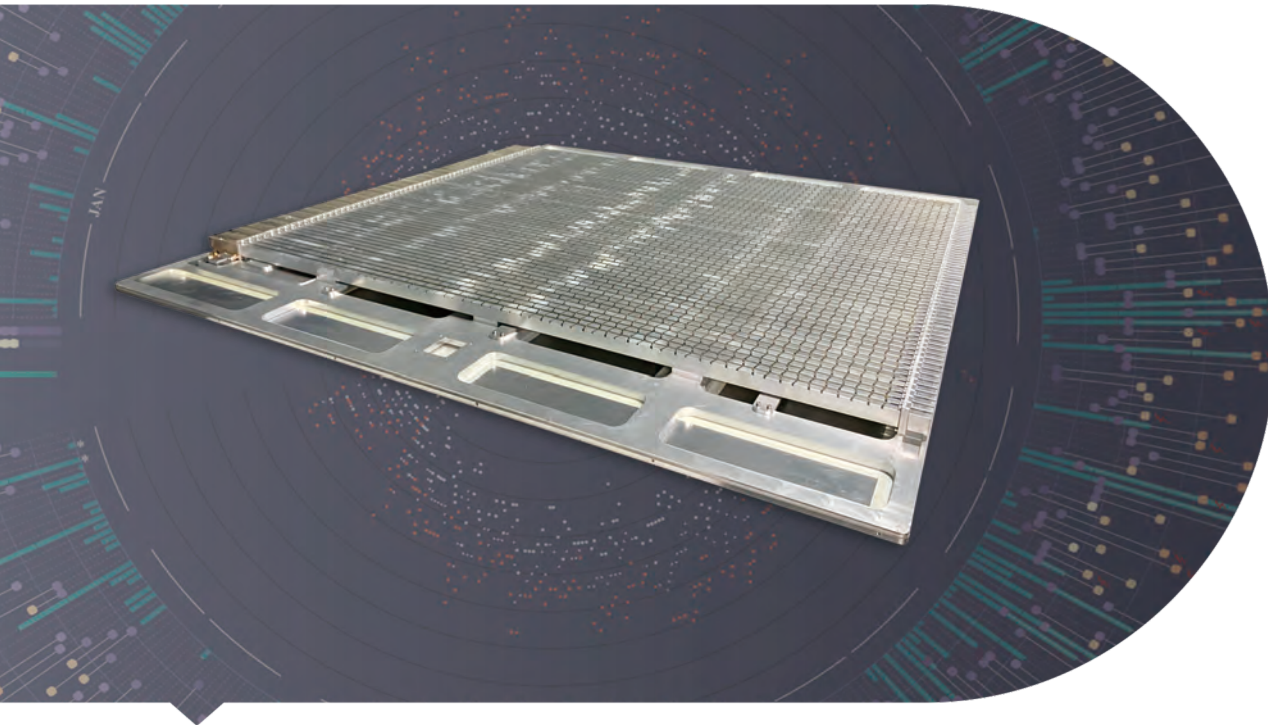


WAVEGUIDE ARRAY ANTENNA



→ Features

- Waveguide size: WR2300 to WR10
- Arrays: 4/ 16/ 64/ 128 arrays
- Polarization: Single/ Dual
- Connector: SMA, N, 2.92 or others.
- Configuration: With/without coaxial adapter and load

→ Description

Dolph Microwave waveguide array antenna is used in navigation radar as an array feed by a waveguide. Optional in array amount. It's configured with/without coaxial adapter and load. Polarization available in single and dual. Radome and baseplate can be selected.

Model	WR Type	Frequency (Ghz)	VSWR	Az Beamwidth (degree)	Scan Range (degree)
DH-SWRAX04-1500...	WR90	9.30-9.50	1.4	1.8	±25
DH-SWRAX04-1800...	WR90	9.30-9.50	1.4	1.5	±25
DH-SWRAX04-2200...	WR90	9.30-9.50	1.4	1.8	±25

Cross Polarization (dB)	Sidelobe Level (dB)	Beam Pointing Accuracy (degree)	Beamwidth Accuracy (degree)	Gain Accuracy (dB)	Polarization
30	25	±0.18	±0.1	±0.5	H/V-LP
30	25	±0.15	±0.08	±0.5	H/V-LP
30	25	±0.12	±0.06	±0.5	H/V-LP

Feed Type	Length (mm)	Number of Channels	Interface Type	IP Protection Level	Radome	Material
Center/End Feed	1500	4/8/16/32/64	SMA-Female	IP64	Carbon fiber	Al
Center/End Feed	1800	4/8/16/32/64	SMA-Female	IP64	Carbon fiber	Al
Center/End Feed	2200	4/8/16/32/64	SMA-Female	IP64	Carbon fiber	Al

Ordering Information

DH - SWRA X 04 -1500 LPD S K A

DH	Dolph Microwave
SWRA	Slotted Waveguide Array Antenna
X	Freq. Band
4	Fourth Generation
1500	Length 1500 mm
LPD	Dual Linear Pol. H+V
LPS	Single Linear Pol. H or V
S	Feed Interface SMA
K	Female
A	Material Al