

POAM-SWAA35-MPC

Slotted Waveguide Array Antenna Ka band (with Monopulse Comparator)

POAM Electronics is proud to present this high-performance array antenna which can be redesigned to accommodate your needs. This product consists of a high-gain antenna and an integrated compact monopulse comparator design, making it ideal for radar applications. It has excellent characteristics such as a compact structure, high radiation efficiency, high power handling capacity, and accurate control over amplitude and phase.

Please contact our sales team for further information.

TYPICAL SPECIFICATION:

Frequency:	34.50 GHz to 35.50 GHz
Gain	42 dB min
Beamwidth	0.85° min
Sidelobes	25 dB min
Isolation Sum to EL, Sum to AZ	30 dB min
Null Depths (Diff Patterns)	30 dB min
Diff Pattern Amp Unbalance	0.8 dB max
Return Loss (SUM)	16.71 dB min
Return Loss (DIFF)	13.30 dB min
Circular side	550mm
Thickness	100mm
Weight	Less than 2 Kg

