



Description

Stacked logarithmic-periodic broadband antenna for radiated immunity tests and emission measurements in the microwave frequency range. The antenna structure is made of laser-cut brass.

For protection of the fine antenna structure against damage the antenna is equipped with a low loss plastic protection cover. The MAX-9 is especially suitable for immunity testing acc. to IEC 61000-4-3 because of its good field uniformity. Further outstanding characteristics of the MAX-9 are the wide bandwidth, the nearly constant high gain, very good impedance matching as well as equal beamwidth in E- and H-plane.

Technical specifications

Frequency range	600 MHz - 10.5 GHz
Max input power	300 W (f = 1 GHz) 150 W (f = 6 GHz)
Nominal impedance:	50 Ω
Connection	type N female
Isotropic Gain	typ. 10.3 dBi ± 1.5 dB
Antenna factor	18 ... 41 dB/m
SWR typical	< 1.5 (f < 7 GHz)
Front to back ratio	> 25 dB typ.
Cross polarization rejection	> 30 dB typ.
Half-power beamwidth (E-plane)	46° ± 10°
Half-power beamwidth (E-Plane):	48° ± 10°
Dimensions (W x L x D) in mm:	460 (+215) x 270 x 270
Weight:	3.7 kg
Fixation	∅ 22mm mounting tube
Use	Radiated immunity tests Emission measurements

