

# Double Stacked Log.-Periodic Antenna – MAX-9, 700 MHz – 10.5 GHz

for immunity tests and emission measurements



## 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	
Type:	MAX-9
Frequency range:	700 MHz to 10.5 GHz
Max. input power:	300 W (f = 1 GHz) 150 W (f = 6 GHz)
Nominal impedance:	50 Ohm
Connection:	type N feamle
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 (H-plane):	48° +/- 10°
Dimensions (L x W x H) in mm:	460 (+215) x 270 x 270
Weight:	3.7 kg
Fixation:	∅ 22 mm tube
Use:	Radiated immunity tests Emission measurements

## Measurements

