

# Double Stacked Log.-Periodic Antenna – MAX-18, 700 MHz – 18 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-18 is especially suitable for immunity testing acc. to IEC 61000-4-3 because of its good field uniformity. Further outstanding characteristics of the MAX-18 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-18
Frequency range:	0.7 to 18 GHz
Max. input power	50 W
Nominal impedance:	50 Ohm
Connection:	type N female
Isotropic gain:	typ. 8.6 dBi +/- 1 dB
Antenna factor:	20 ... 49 dB/m
SWR typical:	< 2
Front to back ratio:	> 25 dB
Cross polarization rejection:	> 28 dB
Half-power beamwidth (E-plane):	58°
Half-power beamwidth (H-plane):	60°
Dimensions (L x W x H) in mm:	(308 + 182) x 270 x 270
Weight:	1.2 kg
Fixation:	∅ 22 mm tube
Use:	Radiated immunity tests Emission measurements

### Measurements

