



Ha-VIS RF-ANT-μLR10-EU
Planar RFID antenna

Identification	Part number	Drawing	Dimensions in mm
Ha-VIS RF-ANT-μLR10-EU	20 93 201 0305		
Recommended accessories			
Antenna cables			
Ha-VIS Coax ...			
... SMA-TNC, RG58	3 m	20 93 204 0101	
... SMA-TNC, LL240flex	3 m	20 93 204 0102	
... SMA-TNC, LL240flex	10 m	20 93 204 0103	

Technical characteristics

General characteristics

Read range	a few mm to a few cm (strongly depending on implementation of MAGICSTRAP®)
Optimized for	muRata MAGICSTRAP® (without PCB antenna) Harsh environments Automation applications Integration in machines with little space

Electric properties

Frequency range	865 ... 868 MHz
Impedanz	50 Ohm
VSWR	< 1.3:1
Polarisation	Circular
Gain	-15 dBic
Far field half-power beam width	100°
Max. power (FCC15.247 / ETSI EN 302 208)	0.5 W ERP
Connection	TNC socket

Mechanical properties

Dimensions (B x H x T)	90 x 63 x 31 mm
Weight	0.1 kg
Degree of protection	IP 67
Antenna cover	Tough, weather-resistant polymer blend
Colour	RAL 7045 (light grey)
Installation	Four through-holes diameter 4.2 mm for M4 screws
Operating temperature range	-20 °C ... +55 °C
Storage temperature range	-40 °C ... +85 °C