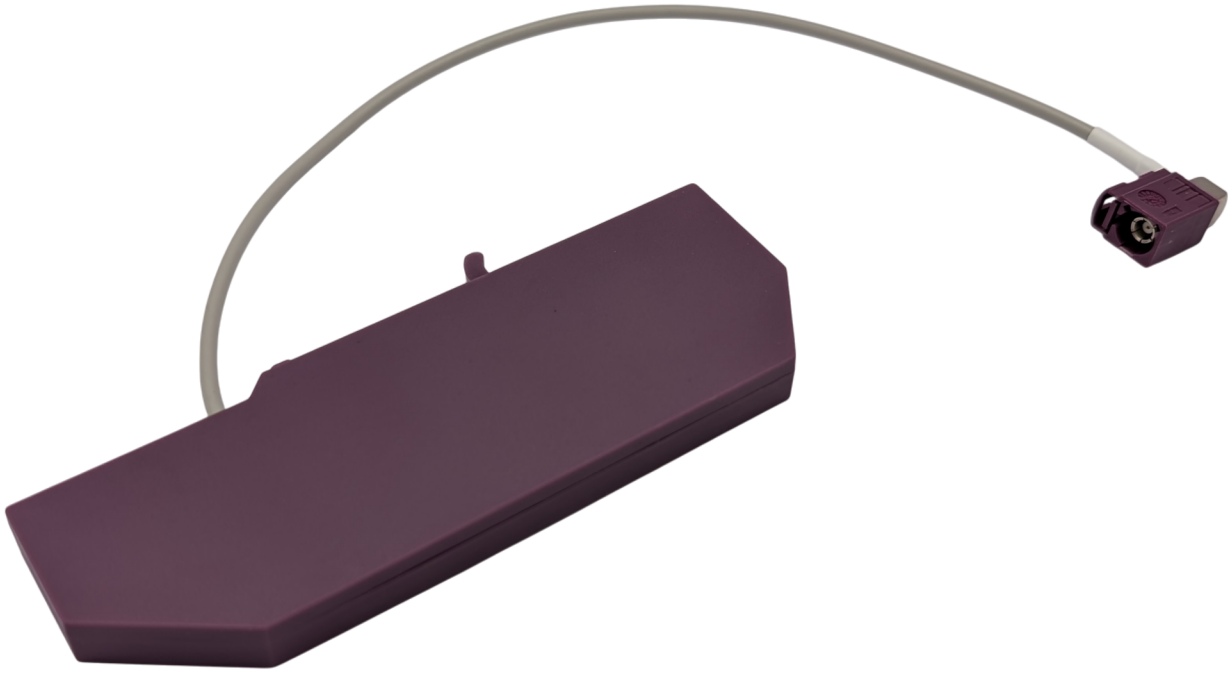
LTE DIN Rail Antenna (FAKRA, burgundy)

ENQT
EXPERTS IN NETWORK QUALITY TESTING

TECHNICAL DATA SHEET



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Description:

The **LTE Din Rail Antenna** can be used to cover all 4 common LTE frequency ranges as well as 2G and 3G networks. It is ideal for installation in meter cabinets, control cabinets and industrial installations.

Technical details:

Part number	12J-J002-AK-01
Frequency range	690-960 MHz, 1710-2170 MHz, 2500-3800 MHz
supported LTE bands	1-10, 12-14, 17-20, 22, 25-29, 33-39, 42-44, 48, 49, 52, 67-69, 85, 103, 106, 111
Antenna gain max.	690 - 960 MHz: 3 dBi 1710-2170 MHz: 4 dBi 2170-3800 MHz: 4 dBi
Antenna gain min.	690 - 960 MHz: 2 dBi 1710-2170 MHz: 2 dBi 2170-3800 MHz: 2 dBi
Standing wave ratio[1] (VSWR)	< 2:1 (all bands)
Impedance	50 Ω
Efficiency[1]	> 50%
Polarization	Vertical (if mounted vertically)
Antenna type	PCB Patch
Radiation pattern	omnidirectional (in free space)
Power (max.)	5 W
Cable	low-loss AA100
Cable length	0.25 m
Connector	FAKRA D female right angle
Isolation rating[2]	> 6000 V
Temperature range	-40 °C to +85 °C
Humidity	max. 95 % RH (non-condensing)
Flammability	V0
Product lifetime	> 20 years
Weight	46 g

Dimensions	124 x 43 x 11 mm
Material	PCB substrate / Cu / Nylon
Conformity	ROHS / CE
Color	burgundy
Country of origin	People's Republic of China

[1] The standing wave ratio (VSWR) and the efficiency of the antenna depend on the materials used in the vicinity.

[2] Applies to the cable only. Test of the complete cable between inner conductor and outer sheath in accordance with EN 50395:2005 Sect. 6