

9790/1-0826-NTM-02 Art. No. 292910



- Robust, industry suitable design ensures long mission time
- Versions for all typical wireless applications
- Rated as a simple apparatus for the use with HFisolator

WebCode **9790A**

The antennas of the series 9790 along with the HFisolator series 9730 enable the application of wireless technologies in hazardous locations. Because of the rating as a simple apparatus the antenna can be used without the need of an additional approval. The robust design combined with the large temperature range ensure a long life time.

Technical Data

Explosion Protection

Application range (zones)	1 2 21 22
Verification	Simple apparatus
Gas explosion protection	Ex ib IIC T6 Gb
Dust explosion protection	Ex ib IIIC T80 °C Db

Electrical Data

Emission	Omnidirectional
Polarisation	Vertical
Frequency range 1	GSM (850/900/1800/1900)
Frequency range 2	3G (UMTS) (800-2100)
Frequency range 3	4G LTE (Band 1-4, 7, 10, 23, 25, 30, 33-41, 65, 66)
Impedance	50 Ω
Gain	2 dBi
VSWR	< 4 : 1

Ambient Conditions

Ambient temperature	-40 °C ... +80 °C
Ambient temperature	-40 °F ... +176 °F
Storage temperature	-40 °C ... +80 °C
Storage temperature	-40 °F ... +176 °F

Mechanical Data

Degree of protection (IP)	IP65
Enclosure material	ABS, UV-resistant
Material	Nickel-plated brass
Length	347 mm
Length, inches	13.55 in

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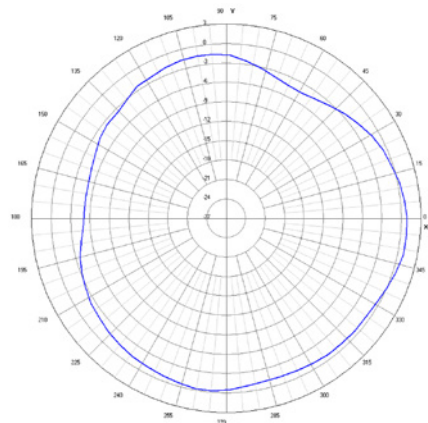
Mechanical Data

Diameter	24 mm
Diameter inch	0.93 in
Weight	0.12 kg
Weight	0.26 lb

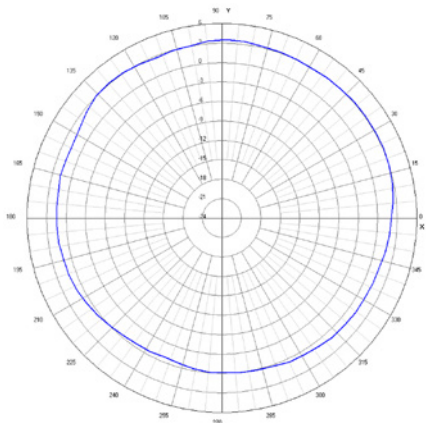
Mounting / Installation

Connection type	N-type plug (male)
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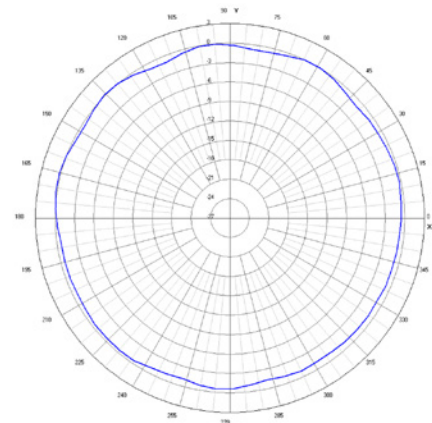
Technical Drawings – Subject to Alterations



Radiation characteristic for 920 MHz
type 9790/1-0826-NTM-



Radiation characteristic for 2,1 GHz
type 9790/1-0826-NTM-02



Radiation characteristic for 2,59 GHz
type 9790/1-0826-NTM-02

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Antenna type 9790/1-0826-NTM-02

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.