

LINEARLY POLARIZED UHF MULTI-PURPOSE ANTENNA

SlimLine - A7040

ABOUT TIMES-7

Pushing the boundaries of RFID technology worldwide Times-7 are leaders in RFID antenna design and manufacture. Our patented award winning UHF antennas meet the needs of virtually any industry application; providing customers with fast accurate tracking of products, assets & people; empowering organizations to transform processes & reduce costs.

Our SlimLine range of antennas are unique in the RFID industry; offering high levels of performance & durability in an aesthetically superior form.

Proven in a diverse & growing range of markets, applications include: retail & customer interaction, conference & people tracking, race timing, baggage handling, and logistic & supply chain asset management.

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The SlimLine A7040

Ultra-low profile linear polarised flat panel antenna

Just 8 mm / 0.3 in. thick

Typical applications:
Jewelry, retail, industrial / workshop tool tracking & any shelving / cabinet application

Part of the SlimLine range of multi-purpose antennas, the A7040 is sought after for RFID deployments from retail product tracking to industrial / workshop tool tracking. At just 8 mm / 0.3 in. thick, the durable, high performance A7040 is specifically designed for real-time asset / product identification & inventory management. Custom lengths are available.

Specifications

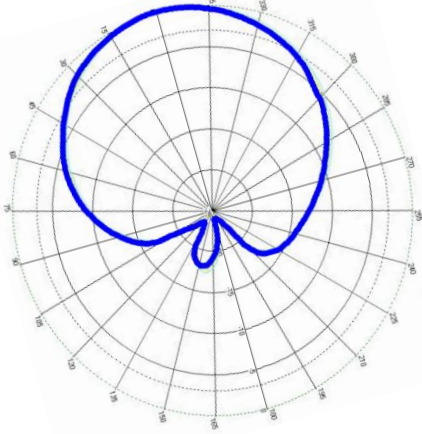
Physical / Environmental Specifications

Dimensions (L x W x D):	400 mm x 250 mm x 8 mm 15.7 " x 9.8 " x 0.3 "
Weight:	1 kg / 2.2 lbs.
Radome Material:	Fire retardant ABS
Environmental Rating:	IP65
Operating / Storage Temperature:	-20° to +55°C / -30° to +65°C -4° to +131°F / -22° to +149°F
Connector type / position:	SMA female side fly lead (300 mm / 1')
Cable:	2 m SMA to RPTNC (included)

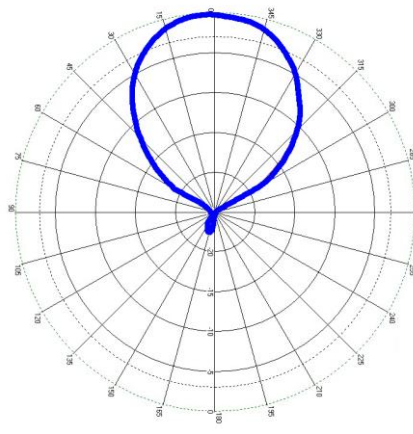
Electrical Specifications

Frequency Range:	864-869 MHz / 902-928 MHz
Polarization:	Linear
Far-field Gain:	7.5 dBi
Far-field 3 dB beamwidth:	80° in XZ, 45° in YZ
Typical VSWR across frequency range:	< 1.6:1
Front to back ratio:	22 dB
Nominal Impedance:	50 Ω
Anti-static protection:	Yes
Maximum Input Power:	6 W

E-field elevation & Azimuth Patterns



XZ-plane



YZ-plane

Ordering Information (please quote both product code & part no.)

Product Code	Band	Part No.
A7040	ETSI 864-869 MHz	71201
A7040	FCC 902-928 MHz	71204
Cable Accessories	Cable Type	Part No.
Cable 2 m, SMA to RPTNC	195 / 240	71436 / 71782
Cable 4 m, SMA to RPTNC	195 / 240	71437 / 71784
Cable 8 m, SMA to RPTNC	195 / 240	71438 / 71788

Applications

- Retail
- Jewelry
- Workshop / Industrial Tools
- Any Shelving / Cabinet application



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