

MT-263028/CLH

865 - 928 MHz 8.0 dBic LHCP Underbelt Antenna



Wireless Edge

Antenna Solutions

An MTI Company

Electrical

Regulatory Compliance	RoHS , CE 0682
Frequency	865-928 MHz
Gain	8.0 ± 1.0 dBic
VSWR	1.5:1 typ , 2.0:1 max
3 dB Beam Width	Azimuth: 65° typ Elevation: 16° typ
Polarization	LHCP
Axial Ratio @ Bore sight	5.0 dB max
F/B Ratio	-20 dB typ
Tag Type	7cm x 1.5cm or larger
Reading Range	Area: 1020 x 420 mm typ Height: 1000 mm typ
Lightning Protection	DC Grounded
Input Impedance	50 Ohm
Input Power	6 W max

Mechanical

Dimensions	1020 x 380 x 11.5 max
Weight	4.5 kg max
Connector	N-Type Female with cable length 300 mm
Radome	Black UHMW-PE anti-static
Base Plate	Aluminum with chemical conversion coating

Environmental

Operation Temperature		-10°C to 50°C		
Storage temperature		-30°C to 70°C		
Test	Standard	Duration	Temperature	Notes
Vibration	IEC 60721-3-4	30 min/axis	-	Random 4M3
Shock Mechanical	IEC 60721-3-4	-	-	4M3
Mechanical load		70 kg on 30x30cm area on antenna surface		See doc. RD43508700C Para 1.9
Humidity	ETSI EN300-2-4 T4.1E	144 h	-	95%
Water Tightness	IEC 529	-	-	IP54
Flammability	UL 94	-	-	Class HB

This document and the information contained in it are proprietary and confidential to MTI. No person is allowed to copy reprint reproduce or publish any part of this document nor disclose its contents to others nor make any use of it nor allow or assist others to make any use of it, unless by the prior written express authorization of MTI and then only to the extent authorized.

11 Hamelacha st. Afek Industrial Park, Rosh-Ha'Ayin 4809121 | Tel. +972.3.9008900 | Fax. +972.3.9008901