

Sky-ID

P/N: X2130-GL011-XM



Functional Specifications

RF air protocol	EPC Class 1 Gen 2; ISO18000-6C
Operating frequency	UHF 860-960 (Global)
IC type	Tegochip XL(8 Kbyte)
Memory configuration	96-EPC bits, extendable to 496 bits (8 Kbyte user memory)
Functionality	Read / write (user programmed)
Memory – expected write cycles	1-128 cycles (dependent on memory bank)
Data retention	30 years*
Warranty (limited)	1 year

Performance Characteristics

Read range on metal (2W ERP)*	Up to 3.93 ft (1.2 m)
Read range on metal (0.5W ERP)(handheld)	Up to 1.97 ft (0.6 m)
Polarization	Linear

*Actual read range may vary based upon specific application case and antenna power

Physical Specifications

Material	FR4
Mounting system	High performance adhesive/ Mounting hole Diameter: \varnothing 3.0mm(+/- 0.2)
Color	White

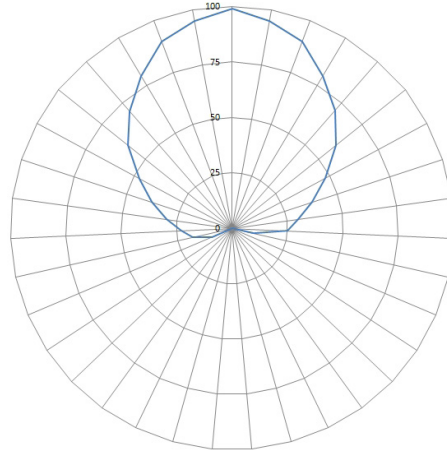
Environmental and Industry Compliance

RoHS	EU Directive 2002/95/EC
Aviation	SAE AS5678 and ATA Spec2000 compliant



* The chip data retention and endurance is based on chip work under conventional environment that without high pressure, temperature and other critical environment.

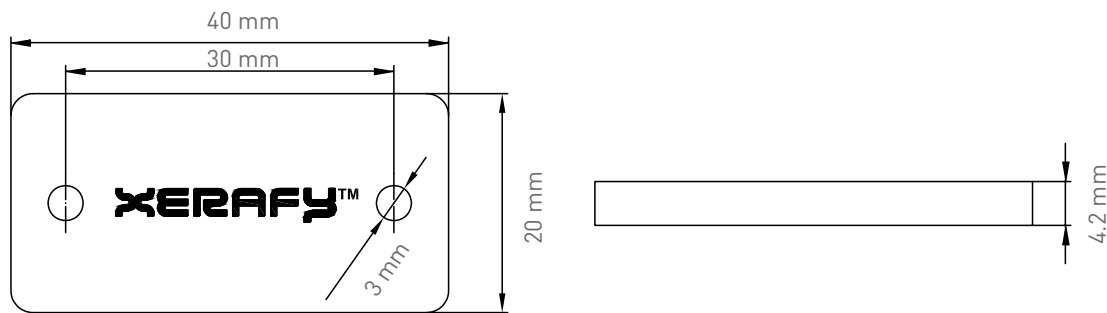
Radiation Pattern



Operational and Environmental Specifications

Operational temperature	
Cold	+40°F (-40°C)
Dry heat	+185°F (+85°C)
Thermal shock	-40°F to +185°F (-40°C to +85°C); cycled
Application temperature	
Cold	-67°F (-55°C)
Dry heat	+302°F (+150°C)
Humidity	
Operational humidity	5%-95% non-condensing
Storage humidity	5%-95% non-condensing
Shock (drop)	3 ft (1 m) to concrete/granite up to 100 cycles
Compression strength	203 psi (1399 kPa)
IP classification	IP68

Product Dimensions and Weight



Dimensions (mm)	40 x 20 x 4.2
tolerance	+/- 0.35
Dimensions (in)	1.57 x 0.79 x 0.17
tolerance	+/- 0.014
Weight	0.23 oz (6.5 g)