

Pico XL

P/N: X2110-GL101-T2 / X2111-GL101-T2



Functional Specifications

RF air protocol	EPC Class 1 Gen 2; ISO18000-6C
Operating frequency	UHF 860-960 (Global)
IC type	Tegochip XL
Memory configuration	96-EPC bits, extendable to 496 bits (2k bit 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 1 ft (0.3 m)
Polarization	Linear

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

Physical Specifications

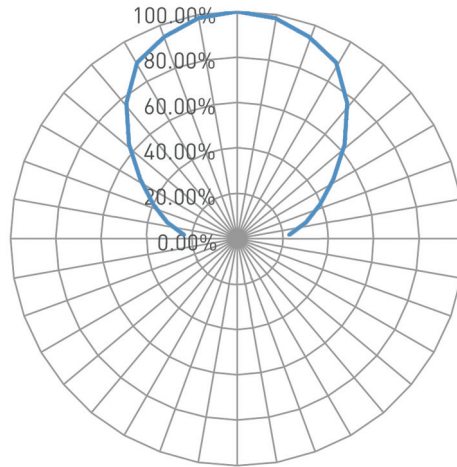
Material	Engineering-grade nylon polymer
Mounting system	High performance adhesive; bracket (optional)
Color	Gray

Environmental and Industry Compliance

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



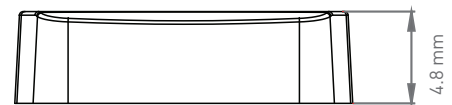
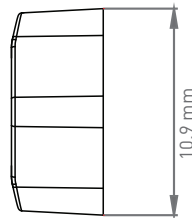
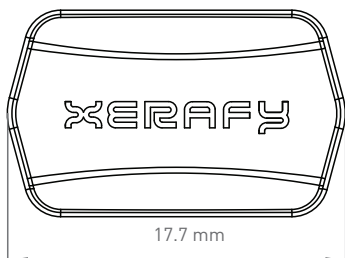
Radiation Pattern



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 10 cycles
Compression strength	174 psi (1200 kPa)
IP classification	IP68

Product Dimensions and Weight



Dimensions (mm)	17.7 x 10.9 x 4.8
tolerance	+/- 0.3
Dimensions (in)	0.70 x 0.43 x 0.19
tolerance	+/- 0.012
Dimensions with bracket/ tolerance (mm):	36 x 11 x 7.5 (+/- 0.35)
Dimensions with bracket/ tolerance (in):	1.42 x 0.43 x 0.30 (+/- 0.014)
Weight	0.07 oz (2 g)