



## GZY-2019 High Temperature RFID TAG

GZY-2019 are specifically designed to be the most durable asset tracking tags for industrial markets where critical and potentially hazardous situations require reliable identification of assets. The GZY-2019 rfid on metal tag can survive temperatures of up to 260°C for 1500 hours. GZY-2019 asset tracking tags are constructed with robust materials and rated IP68 for high reliability and durability in all types of environments.

### RFID Features:

RFID Protocol:	EPC Class1 Gen2, ISO18000-6C
Frequency:	(US) 902-928MHz, (EU) 865-868MHz
Chip Type:	NXP Ucode 8, 9
Memory :	EPC 96bits-128bits , USER 0bits, TID64bits
TID Memory:	64bit
Date Storage:	>10years
Re-Write:	100,000times
Read Range : (Fix Reader)	1-2.5m, On metal
Read Range : (Handheld Reader)	1-1.2m, On metal

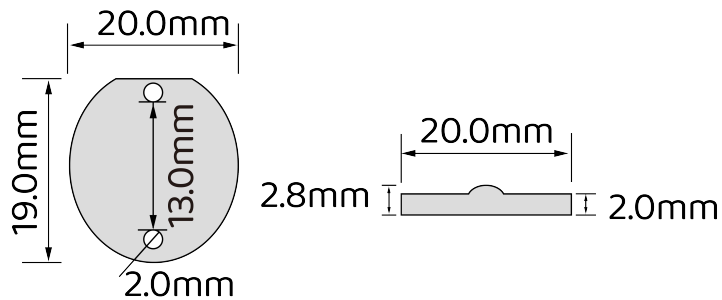
### Physical Features :

Size	20x2.1mm, Hole: D2mmx2
Material:	PEEK
Chip Type:	NXP Ucode 8, 9
Colour:	Black
Mounting Methods:	Screw - Socket head cap screw(M2)
Weight:	1g

# Focus on RFID Solutions

## Environmental Features :

IP Rating:	<b>IP68, IP69X</b>
Withstand PH:	PH0 to PH14, and all other liquid that PEEK can handle with
Storage Temperature:	<b>-60°C to +260°C, +300°C 100 hours</b>
Operation Temperature:	<b>-40°C to +200°C</b>
Reliability testing terms and results:	<p><b>a. Withstand 300°C for 100 hours continuously without damage.</b>  <b>b. Withstand 280°C for 1000 hours continuously without damage.</b>  <b>c. Withstand 260°C for 2000 hours continuously without damage.</b>  d. Withstand <b>-20°C</b> for 8 hours then <b>260°C</b> for 16 hours per day, 80 days continuously without damage.  e. Withstand from <b>150°C</b> to <b>-40°C</b>, 7.5 cycles per day, 80 days continuously with total 600 cycles without damage.  f. Withstand <b>260°C</b> for 100 hours continuously then soaking in 2 meters depth water for 48 hours, without seepage or damage.</p>
Compression strength:	150Mpa



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