



# Metal Tag D18 Screw

## FUNCTIONAL SPECIFICATIONS

Specification	
RFID Protocol	EPC Class1 Gen2, ISO18000-6C
Frequency	US (902-928MHz), EU (865-868MHz)
IC type	Alien Higgs-3,NXP UCODE 8
Memory	EPC 96 bits (Up to 480 bits) , USER 512 bits, TID 64 bits
Write Cycles	100.000 times
Functionality	Read/write
Data Retention:	50 Years
Applicable Surface	Metal Surfaces
Read Range (Fix Reader)	Up to 0.9m, US (902-928MHz), On metal (depends on reader) Up to 0.8m, EU (865-868MHz), On metal (depends on reader)
Read Range (Handheld Reader)	Up to 0.35m, US (902-928MHz), On metal (depends on reader) Up to 0.35m, EU (865-868MHz), On metal (depends on reader)

## PHYSICAL SPECIFICATIONS

Specification	
Size	D18.0mm
Thickness	11.0mm
Material	304 Stainless Steel
Color	Gray
Mounting Methods	Screw / (Optional) 3M 9474LE/ 9495LE
Weight	13.5g

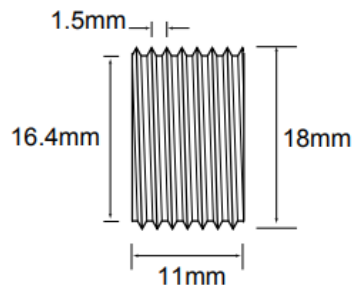
## ENVIRONMENTAL SPECIFICATIONS

Specification	
IP Rating	IP68
Storage Temperature	-50°C to +260°C, +300°C 100 hours
Operating Temperature	-40°C to +150°C
Reliability testing terms and results	a. Withstand 300°C for 100 hours continuously without damage b. Withstand 280°C for 1000 hours continuously without damage c. Withstand 260°C for 2000 hours continuously without damage d. Withstand -20°C for 8 hours, then 260°C for 16 hours per day, 80 days continuously without damage e. Withstand from 150°C to -40°C, 7.5 cycles per day, 80 days continuously with total 600 cycles without damage
Certifications	Reach Approved, RoHS Approved, CE Approved

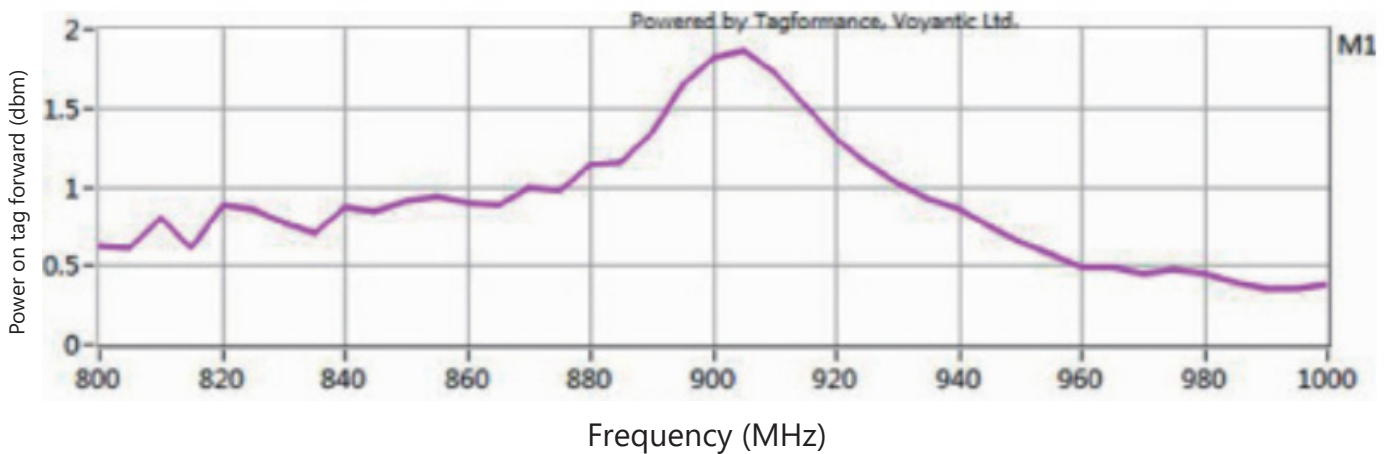
## ORDER CODE

Description	Order Code
Metal Tag D18 Screw	ST-UHF-OP-MT-D18-EU
	ST-UHF-OP-MT-D18-US

## DIMENSIONS



## STEELD18U1



## STEELD18E1

