Functional Specifications:

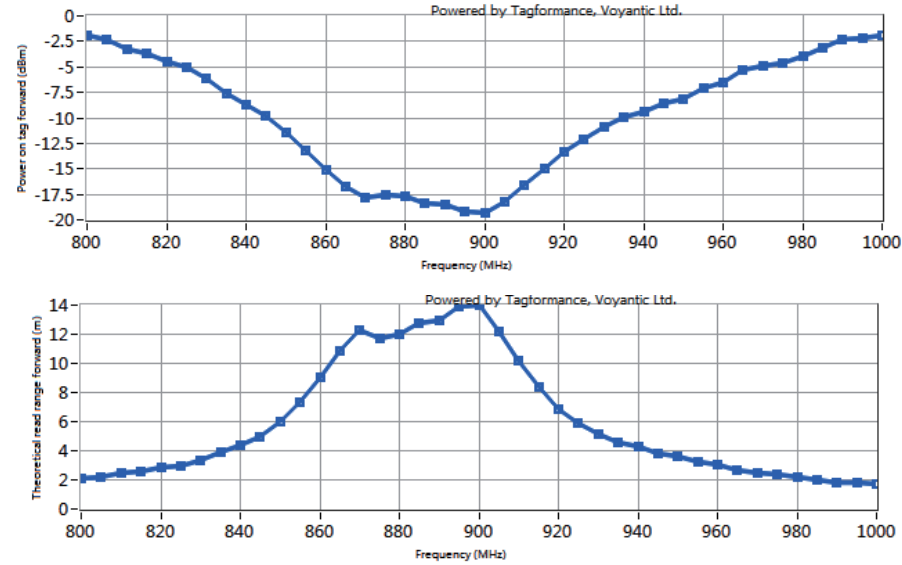|	
RFID Protocol:	EPC Class1 Gen2, ISO18000-6C
Frequency:	US(902-928MHZ), EU(865-868MHZ)
IC type:	NXP UCODE 8
Memory:	EPC 128bits , USER 0bits, TID 96bits
Write Cycles:	Minimum 100,000 times
Functionality:	Read/write
Data Retention:	50 Years
Applicable Surface:	Metal Surfaces
Read Range : (Fix Reader)	6.5m , US (902-928MHZ) 6.0m , EU (865-868MHZ)
Read Range : (Handheld Reader)	3.5m , US (902-928MHZ) 3.5m , EU (865-868MHZ)
Warranty:	1 Year

Physical Specification:

Size:	41.0x29.0mm, Hole: D2.3mmx4
Thickness:	9.0mm
Material:	PEEK
Colour:	Black
Mounting Methods:	Screw - Socket head cap screw(M2)
Weight:	15g

Devil-3001 U1:
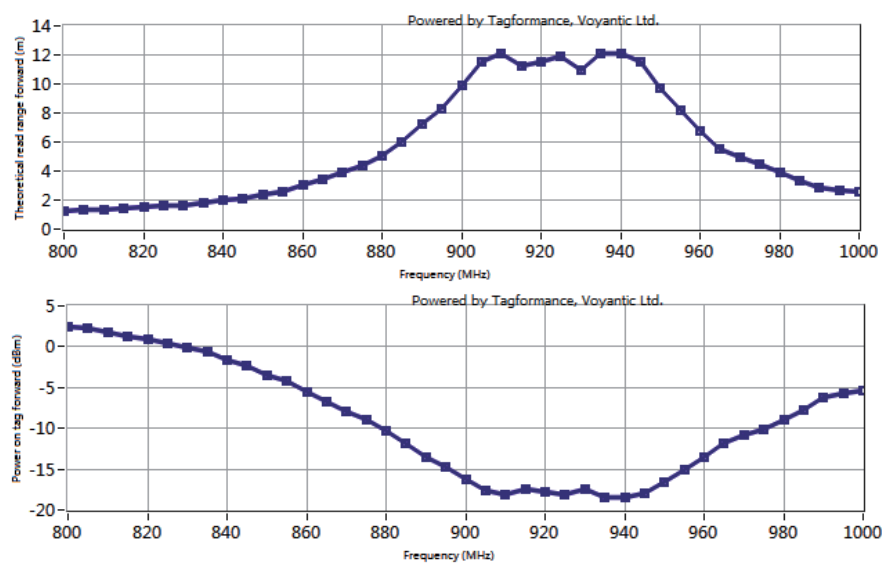
Devil-3001 E1:

Dimensions:
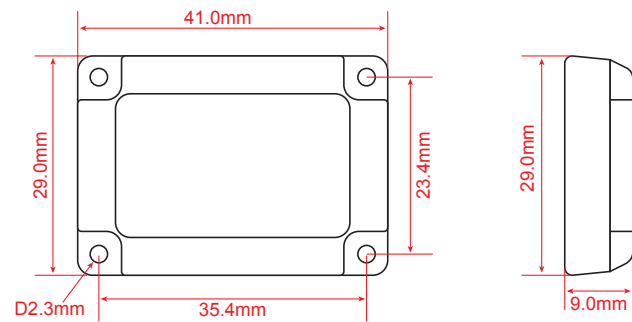
Environmental Specification:

IP Rating:	IP68, IP69K
Withstand PH:	PH0 to PH14,and all other liquid that PEEK can handle with.
Storage Temperature:	-60°C to +260°C, +300°C100 hours
Operation Temperature:	-40°C to +200°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. f. Withstand 260°C for 100 hours continuously then soaking in 2 meters depth water for 48 hours, without seepage or damage.
Compression strength:	150Mpa
Certifications:	Reach Approved, RoHS Approved, CE Approved, ATEX Approved.

Radiation pattern:

US(902-928MHZ),On Metal

EU (865-868MHZ),On Metal