

UHF Metal Tag **Dolphin Series:**



**Functional Specifications:**

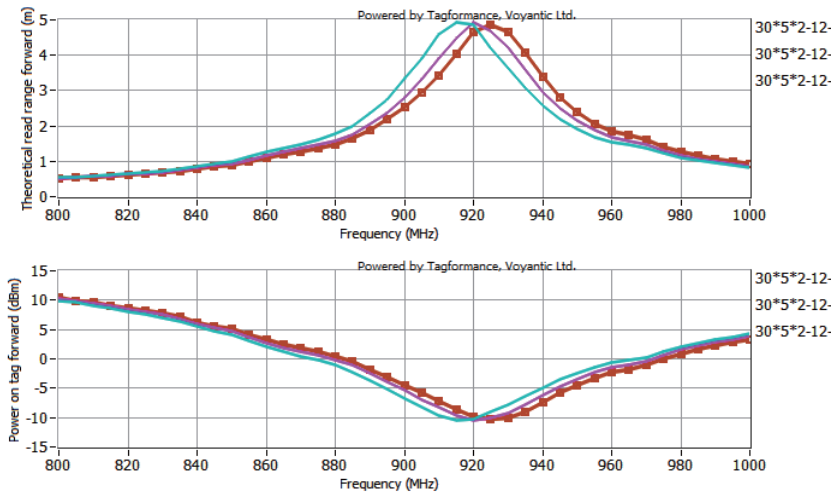
RFID Protocol:	EPC Class1 Gen2, ISO18000-6C
Frequency:	(US) 902-928MHz, (EU) 865-868MHz
IC type:	Alien Higgs-3
Memory:	EPC 96bits (Up to 480bits) , USER 512bits, TID64bits
Write Cycles:	100,000times
Functionality:	Read/write
Data Retention:	Up to 50 Years
Applicable Surface:	Metal Surfaces
Read Range :	310cm - (US) 902-928MHz, on metal (Fix Reader:ThingMagic M6-E, 36dBm/4W) 280cm - (EU) 865-868MHz, on metal
Read Range :	210cm - (US) 902-928MHz, on metal (Handheld Reader: OP9908, R2000, 33dBm/2W) 200cm - (EU) 865-868MHz, on metal
Warranty:	1 Year

**Physical Specification:**

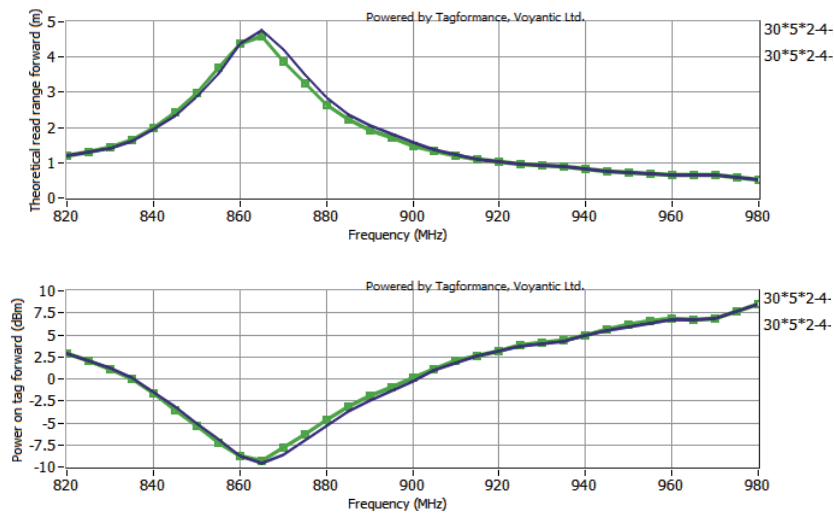
Size:	30x5mm, (Hole: D2mm*2)
Thickness:	2.0mm without IC bump, 2.8mm with IC bump
Material:	FR4 (PCB)
Colour:	Black (Red, Blue, Green, White)
Mounting Methods:	Adhesive, Screw
Weight:	0.8g



**OPP3005U2**



**OPP3005E4**



**Environmental Specification:**

IP Rating:	IP68
Storage Temperature:	-40°C to +150°C
Operation Temperature:	-40°C to +100°C
Certifications:	Reach Approved, RoHS Approved, CE Approved

**Order information:**

OPP3005U2	(US) 902-928MHz,
OPP3005E4	(EU) 865-868MHz