

YTG-103

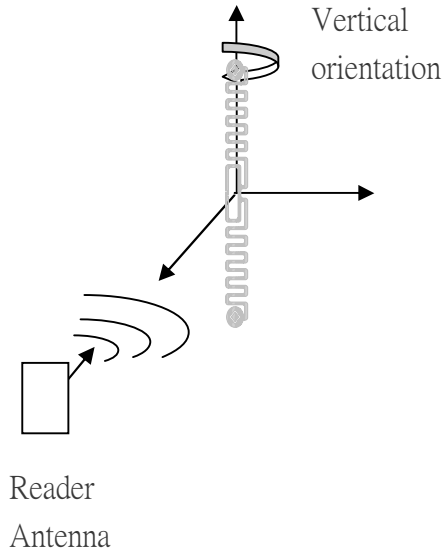
RFID UHF Tag Data Sheet

Tag Classification	General Tag	
Compliance Standard	EPC Class1 Gen2	
Operating Frequency	860-960 MHz	
Operating Mode	Passive	
Manufacture	Aluminum etching	
Antenna Dimension	96 mm × 8 mm	
Wet inlay Dimension	100 mm × 12 mm	
Storage Temperature	-40 to 85 °C Non-condensing	
Operating Temperature	-40 to 65 °C Non-condensing	
Recommended Storage	+25°C @ 40%RH	
ESD (HBM)	2,000 V	
Read Distance ¹	up to 8 Meter	
Chip IC type ²	Impinj Monza 4	
Memory	EPC ³	Up to 496 bit
	User ³	Up to 512 bit
	Password	Kill / Access 64 bits

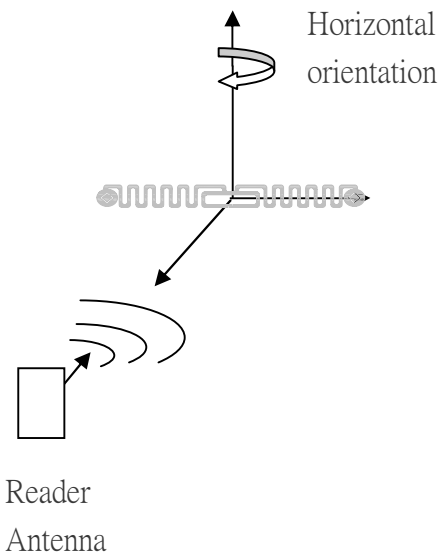
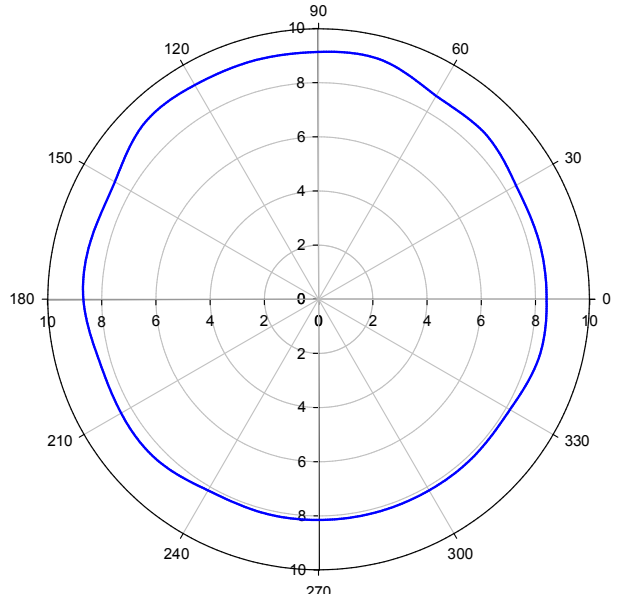


YTG-103

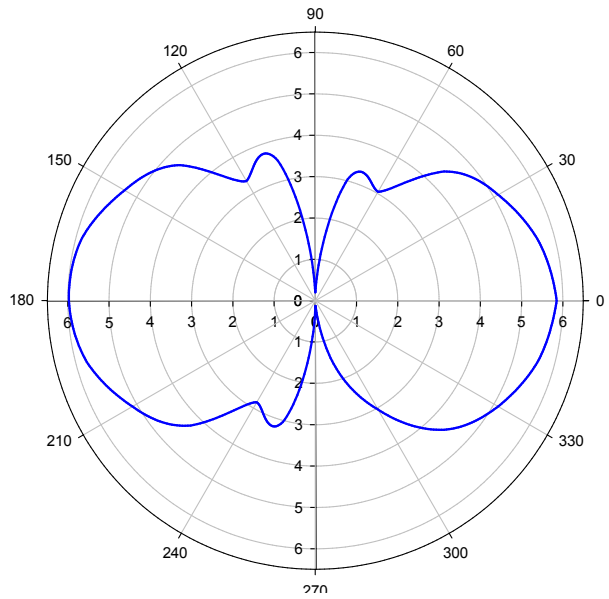
Wet inlay Orientation Sensitivity (Read range,M)



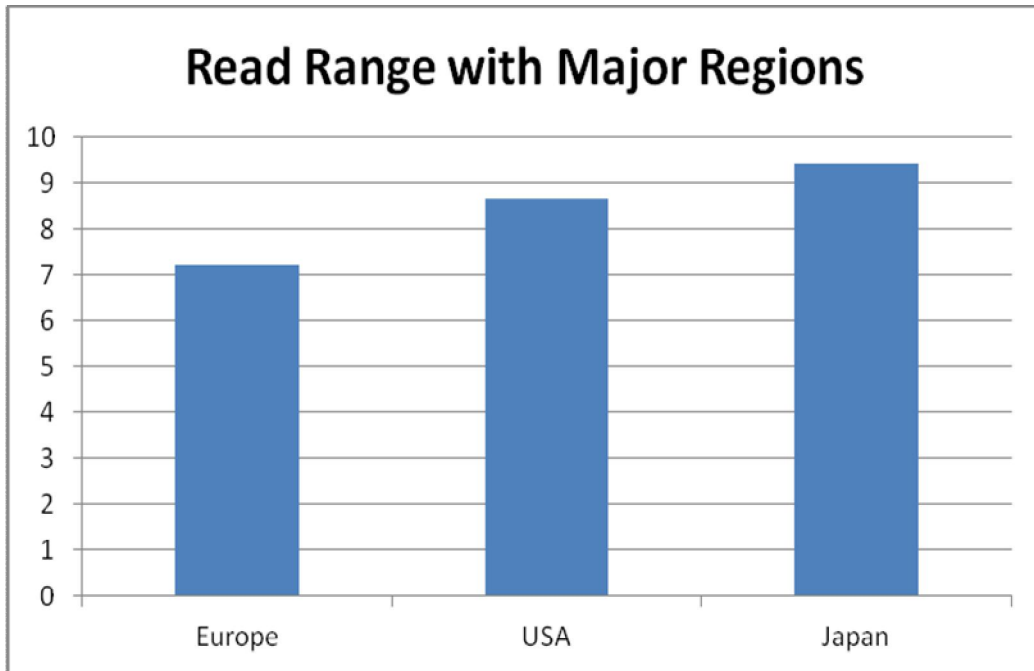
YTG-103 Read distance response(m)



YTG-103 Read distance response(m)



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Note 1 The Read Distance is measured over free space with 4 watt EIRP, and it may be different in real applications. The below figures are orientation sensitivity patterns of horizontal and vertical.

Note 2 Available chip options with Impinj Monza 4 Tag chip family (4QT, 4E and 4D)

Note 3 Memory organization of Impinj Monza 4 Tag chip family (refer from Monza® 4 Tag Chip Datasheet)

Model	User Memory	EPC Memory		TID Memory	
		Private Mode	EPC_Public 96 bits EPC_Private 128 bits	Private Mode	Serial Number—48 bits Extended TID Header—16 bits Company/Model Number—32 bits
Monza 4QT	512	Public Mode	EPC_Public 96 bits	Public Mode	Company/Model Number—32 bits
				Serial Number—48 bits Extended TID Header—16 bits Company/Model Number—32 bits	
Monza 4E	128	496		Serial Number—48 bits Extended TID Header—16 bits Company/Model Number—32 bits	
Monza 4D	32	128		Serial Number—48 bits Extended TID Header—16 bits Company/Model Number—32 bits	