

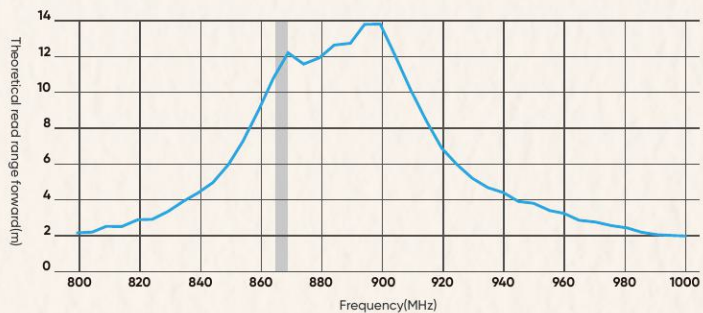


SKU:	RS-U8-PEEK-4129
Chip Type:	NXP® UCODE® 8
Frequency:	UHF (US) 902-928MHz, (EU) 865-868MHz
EPC Memory:	128 bits
Max. Read Range (2W ERP FCC):	6.5 m on metal
Max. Read Range (2W ERP ETSI):	6 m on metal
IP Rating:	IP68, IP69K
Protocol:	ISO/IEC 18000-63, EPCglobal Gen2v2
Chemical Resistant:	PH 0-14
High-Temperature Resistant:	+150°C
Industry:	Medical, Manufacturing, Automotive, Electronic Fields, Petrochemical Industry
Applications:	Asset Tracking, Equipment Tracking, Inventory Tracking

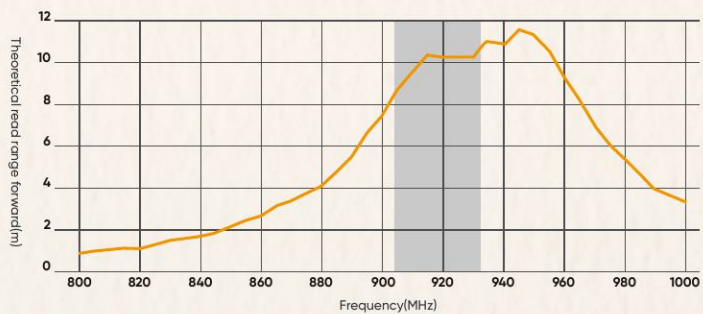
Chemical Resistant NXP® UCODE® 8 PEEK RFID On-Metal Tag

This NXP® UCODE® 8 PEEK RFID on-metal tag, which is resistant to chemicals and boasts an IP68 and IP69K rating, is engineered to endure a broad pH spectrum of 0-14 while withstanding harsh chemicals.

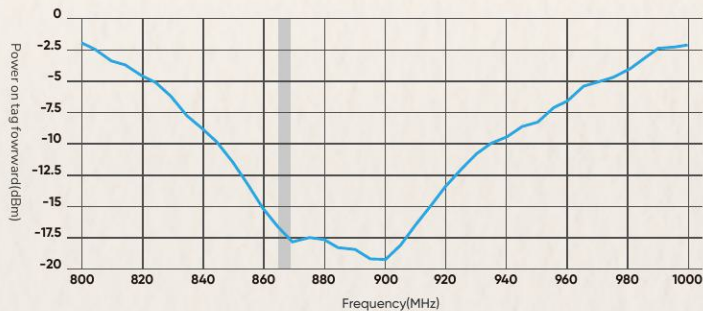
It serves as the perfect solution for asset tracking across the medical, automotive, and electronics industries, especially in scenarios where robust tagging on metal surfaces is crucial.



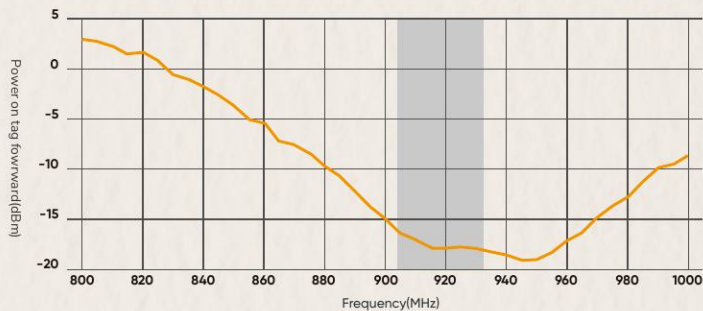
Reading Range Under Different Frequency-FCC Standard

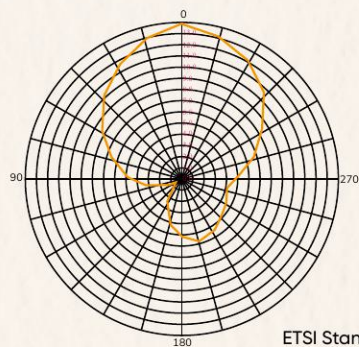


Tag Power Under Different Frequency-ETSI Standard

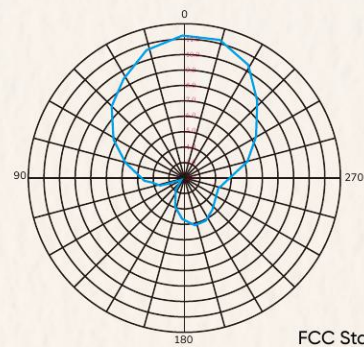


Tag Power Under Different Frequency-FCC Standard





ETSI Standard



FCC Standard

Physical Information

Material	PEEK
Size	41×29 mm (Hole: Ø2.3 mm×4)
Tag Color	Black
Tag Weight	19 g
Tag Thickness	11.8 mm
Operating Environment	-40°C~+150°C
Storage Environment	+18°C~+28°C
Chemical Resistant	PH 0 to PH 14, and all other liquid that PEEK can handle with
Compression Strength	150 Mpa
Mounting Method	Screw- Socket head cap screw(M2)
Surface	Metal
IP Rating	IP68, IP69K

Technical Information

Operating Frequency	(US)902-928 MHz, (EU)865-868 MHz
Communication Protocol	ISO/IEC 18000-63, EPCglobal Gen2v2
Chip Type	NXP® UCODE® 8
EPC Memory	128 bits
User Memory	0 bits
TID Memory	96 bits
Read Range (Fix Reader)	902-928 MHz(US): 6.5 m on metal 865-868 MHz(EU): 6.0 m on metal
Read Range (Handheld Reader)	902-928 MHz(US): 3.5 m on metal 865-868 MHz(EU):3.0 m on metal
Security Features	(Perma) LOCK™, kill command, EAS tag alternative function, autocorrect memory protection, authenticity certification

● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment.
 ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage.
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