

24 mm Disk- Inlay



Specifications:

Part Number	RI-INL-R9QK-20	RI-INL-W9QK-20
Functionality	Read Only	Read Write
Memory (Bits)	64	80
Memory (Pages)	1	1
Operating Frequency	134.2 kHz	134.2 kHz
Modulation	FSK (Frequency Shift Keying) 134.2 kHz / 123.2 kHz **	
Transmission Principle	HDX (Half Duplex)	
Power Source	Powered from the reader signal (battery-less)	
Typical Reading Range	> 50 cm ***	
Typical Reading Time	70 ms	
Reading Activation Field Strength @25 °C	120.5 dBµA / m	
Programming Field Strength @25 °C		128.5 dBµA / m
Operating Temperature	-25 to +70 C	
Storage Temperature	-25 to +70 C	
EMC	Programmed code is not affected by natural electromagnetic interference or x-rays	
Signal Penetration	Transponder can be read through virtually all non-metallic material	
Mechanical Shock	IEC 68-2-27, Test Ea; 200 g, 3 ms	
Vibration	IEC 68-2-6, Test Fc; 5 g, 10 - 500 Hz	
Dimensions	23.0 mm x 12.45 mm x 2.7 mm	
Weight	3 g 0.5 g	
Reference / Customer Spec.	11-09-	
ISO Compliance 11784 / 11785		
Numbering Scheme	Ind. Code	BDE
ID Range (Hex) from		
ID Range (Hex) to		

** Overmoulding can impact resonance frequency

*** Depending on RF regulation in country of use, the Reader Antenna configuration used, and the environmental conditions.

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