

Datasheet PRDG23RS/PRDG23WS

RFID Glass transponder 23mm, LF 134kHz, HDX, Read Only/Read Write

ISO 11785 Read Only Industrial Number format

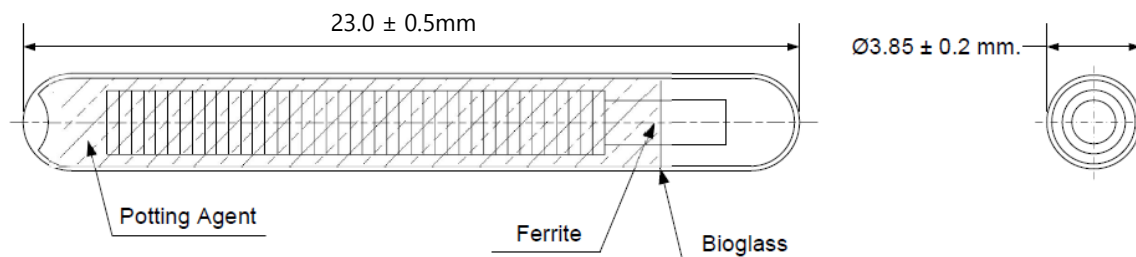
Characteristics

(at ambient temperature unless noted otherwise)

	PRDG23RS	PRDG23WS
Physical		
Dimensions	$\varnothing 3.85\text{mm} \pm 0.2\text{mm} \times 23.0\text{mm} \pm 0.5\text{mm}$	
Case Material	Bioglass	
Weight	0.65g	
Vibration	IEC 68.2.6 [10g, 10 to 2000Hz, 3 axis, 2.5h]	
Mechanical shock	IEC 68.2.29 [40g, 18ms, 6 axis, 2000 times]	
Withstands exposure to	Alcohol, Ammonium Chloride 25%, Fuel B, HCL 10%, Salt Water	
Water protection	IP68, 20°C, 1 m x 24h	
Electrical		
Operating Frequency	134.2kHz	
Memory	64bits (Read Only)	80bits (Read Write)
Transmission Principle	Half Duplex (HDX), Downlink ASK, Uplink FSK	
Write Cycles	--	100,000
Memory Retention	> 20years	
EMC	Memory is not affected by normal electromagnetic interference or x-rays	
Thermal		
Operating Temperature	-25°C to +85 °C	
Storage Temperature	-25°C to +85 °C	

Drawing

(Dimensions in mm)



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