

# HQ8

## High Performance Passive Integrated Transponder

### Specification Sheet



SPECIFICATIONS		DESCRIPTION
BASE MODEL NUMBER		HQ8.00.01
<b>ELECTRONICS</b>		
OPERATING FREQUENCY		134.2kHz
CHIP TYPE		EM4305
MEMORY		512 bit EEPROM
READING DISTANCE		At Least 35% greater than standard 8mm tag
<b>PHYSICAL</b>		
DIMENSIONS		1.25 x 8mm
TAGGING METHOD		Subcutaneous
HOUSING MATERIAL		Bioglass – Laser Sealed – Strongest Glass in the Industry – Review Shock Test
<b>CHEMICAL AND MECHANICAL</b>		
WATER		IP68, 68° F (20° C), 3.3 ft (1 m) x 24 h
WITH STAND EXPOSURE TO		Alcohol, ammonium chloride 25%, fuel B, HCL 10%, salt water
ENVIORMENTAL TEST CONDITIONS		68° F (20° C), 100 h
VIBRATION		IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]
SHOCK		IEC 68.2.29 [40 g, 18 ms, 6 axis, 2000 times]
<b>THERMAL</b>		
STORAGE		-40° to +194° F (-40° to +90° C), 1000 h
OPERATING		-13 °to +185° F (-25° to +85° C)
PEAK		248° F (120° C), 100 h; '284° F (140° C), 10 h
<b>ISO STANDARD &amp; WARRANTY</b>		
STANDARDS		ISO 11784, ISO 11785 (FDX-B)
ICAR		900 Per ICAR Assignment for Voda IQ
MANUFACTURE		Voda IQ
WARRANTY		2 years



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