

HQ12

High Performance
Passive Integrated
Transponder

Specification Sheet



SPECIFICATIONS		DESCRIPTION
BASE MODEL NUMBER		HQ12.05.02
ELECTRONICS		
OPERATING FREQUENCY		134.2kHz
CHIP TYPE		EM4305
MEMORY		512 bit EEPROM
READING DISTANCE		At Least 35% greater than standard 12mm tag
PHYSICAL		
DIMENSIONS		2.1 x 12.5mm
TAGGING METHOD		Subcutaneous
HOUSING MATERIAL		Bioglass – Laser Sealed – Strongest Glass in the Industry – Review Shock Test
CHEMICAL AND MECHANICAL		
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
ENVIRONMENTAL 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]
THERMAL		
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
ISO STANDARD & WARRANTY		
STANDARDS		ISO 11784, ISO 11785 (FDX-B)
ICAR		900 Per ICAR Assignment for Voda IQ
MANUFACTURE		Voda IQ
WARRANTY		2 years



www.vodaq.com
Email: info@vodaq.com
Phone (USA): 1-208-366-9663
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