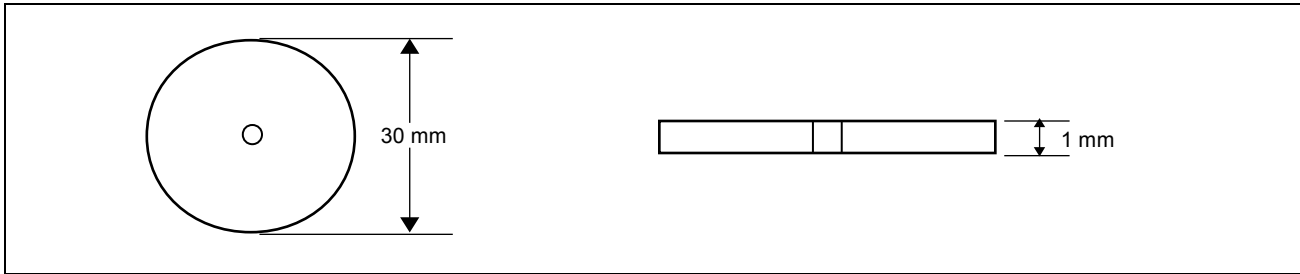




EPD-30-RO-CH

Low Frequency Passive RFID Tag



Specifications

Description	Heat and chemical resistant epoxy disk with center hole for easy assembly
Transponder	RF/64, Manchester, 64 bit read only, 40 bit serial number
Frequency	125 kHz \pm 4 kHz
Size	Diameter: 30 mm \pm 0.5 mm, Center Hole: 3.2 mm, Thickness: 1.0 mm \pm 0.3 mm
Material	Glass fiber reinforced epoxy
Color	Black
Weight	0.8 g
Protection	Waterproof IP 68 (water, 150 m, >24 h, 20°C) Gasoline, HCL, Bleach, Formic acid (ph 7), Caustic Soda (10%) (100 h, 20°C) Axial compression: 1000 N (10s) Radial compression: 1000 N (10s) Isostatic pressure: 300 bars (5 min) Hydrostatic pressure: 1500 kPs (tested >24h) Vibration: 10-2000 Hz, 10 g 3 axes 2.5 h (IEC68-2-6) Shock: 40 g, 18 ms, 6 axes, 2000 times (IEC 68-2-27)
Temperature	Storage: -40°C to +85°C, Tested: +140°C (24 hour) Shock: -40°C to +100°C (50x 5min/20s) Operating: -20°C to +85°C
Read Range	Reader dependent (10+ cm with TR-RO1-WM)
Read Speed	1,953 bits per second (35 ms read time typical)
Part Number	EPD-30-RO-CH
Price	\$2.87 each (minimum 10, volume pricing is available)