DATABAND2

Technical Specifications

- **HF protocol** ISO 15693
- **Frequency** 13.56 MHz (HF)
- **IC type** (HF chip)[1] ICODE SLIX
- **Chip memory** (HF) 64 bits UID, 896 bits user memory
- **Read range** fixed[2] Up to 0.16 ft (5 cm)
- **Read range** handheld[2] Up to 0.10 ft (3 cm)

- **RF protocol** EPC Class1 Gen2, ISO18000-63
- **Frequency** 902-928 MHz (US); 865-868 MHz (EU)
- **IC type** (chip)[1] NXP UCODE 8
- **Chip memory** (UHF) 128 bits EPC, 96 bits TID
- **Write cycles** 100,000 times
- **Data retention** 20 years
- **Read range** fixed[3] Up to 9.84 ft (3 m)
- **Read range** handheld[3] Up to 6.56 ft (2 m)
- **Polarization** Linear

Applications

- **Industrial & chemical hose, pipes**

Environmental Specifications

Temperatures[4]

- Operational -40°C to +85°C
  -40°F to +185°F
- Survival -40°C to +125°C
  -40°F to +257°F

- **IP rating** IP68
- **Shock** 3ft (1 m) to concrete/granite
- **Vibration** MIL-STD-810G
- **Warranty** 1 year

---

[1] The chip data retention is based on the chip operating under general environment conditions.
[2] HF frequency.
[3] UHF frequency, on metal.
[4] The chemical resistance is based on the concentration of solutions and application environment. Please contact Xerafy for further details on chemical resistance.

Physical Specifications

- **Material** PC/PBT alloy, glue
- **Dimensions (in)**[1] 1.50 x 0.75
- **Dimensions (mm)**[1] 38.10 x 19.05
- **Thickness (in)**[1] 0.25
- **Thickness (mm)**[1] 6.35
- **Color** Yellow
- **Weight** 0.17 oz (4.90 g)

[1] Tolerance: +/- 0.004; +/- 0.100

Mounting Systems

· Metal band (Pass-through Slot 5/8")

Industry Compliance

Order Information	
DATABAND2 US: X3819-US100-U8	DATABAND2 EU: X3819-EU100-U8

Customization Options

Encoding

ATEX Certified Version