

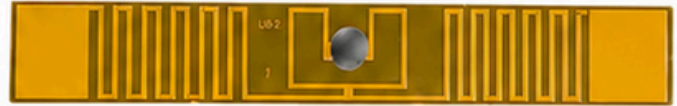
U8 (NXP) UHF

FPC INLAY HIGH-TEMPERATURE

Flexible. Ultra-Thin. Heat-Resistant.

Built for demanding industrial applications.

The U8 UHF FPC Inlay is a flexible, ultra-thin RFID tag designed for reliable high-temperature tracking on non-metal surfaces. Its durable FPC construction is suitable for curved or irregular objects.



UHF RFID
TECHNOLOGY



HIGH-
TEMPERATURE



IP68
RATED



FLEXIBLE
FPC



LONG READ
RANGE

KEY FEATURES

- ✓ UHF 860–960 MHz global frequency
- ✓ NXP UCODE 8 chipset
- ✓ ISO 18000-6C / EPC Class 1 Gen2
- ✓ Flexible ultra-thin FPC construction
- ✓ Suitable for non-metal surfaces
- ✓ Adhesive mounting
- ✓ Washable and durable
- ✓ Storage temperature up to +200°C
- ✓ Operating temperature –40°C to +100°C
- ✓ Two compact size options

SPECIFICATIONS

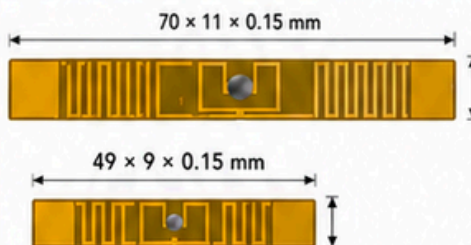
Product Name	U8 (NXP) UHF FPC Inlay
Frequency	860–960 MHz (Global)
Protocol	ISO 18000-6C / EPC Class 1 Gen2
Chip	NXP UCODE 8
Memory	EPC 128 bits, TID 64 bits
Write Cycles	100,000
Data Retention	50 years at operating temperature
Material	FPC
Mounting	Adhesive
Operating Temperature	–40°C to +100°C
Storage Temperature	–40°C to +200°C
Humidity	5%–95% non-condensing
IP Rating	IP68
Colour	Yellow
Polarisation	Linear
Shock & Vibration	MIL-STD-810G

SIZE & READ RANGE

SIZE (MM)	WEIGHT (G)	FIXED READER READ RANGE	HANDHELD READER READ RANGE
70 × 11 × 0.15	0.3	Up to 9 m	Up to 7 m
49 × 9 × 0.15	0.2	Up to 7 m	Up to 5 m

Read range depends on reader, antenna and environment.

DIMENSIONS



APPLICATIONS



INDUSTRIAL EQUIPMENT
TRACKING



INDUSTRIAL LAUNDRY



TEXTILE & GARMENT
TRACKING



REUSABLE ASSET
MANAGEMENT



CURVED-SURFACE
TRACKING



HIGH-TEMPERATURE
PROCESSES

MOUNTING & OPTIONS



Adhesive mounting



Encoding



Laser marking

RECOMMENDED READER ★



Chainway C72
UHF Android 13
Mobile Scanner

- ✓ Up to 10 m read range
- ✓ Android 13 OS
- ✓ 5.2-inch display
- ✓ UHF RFID 860–960 MHz
- ✓ Wi-Fi, Bluetooth, 4G, GPS

WHAT'S IN THE BOX



U8 (NXP) UHF FPC Inlay

Quantity as ordered

- ✓ Bulk packed securely

Reader not included.
Available separately.



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NATIONWIDE SUPPORT

