High Temperature

Transponder
Label

PART ID:
1025

Wafer-thin UHF RFID Tags designed to endure harsh treatment

Main Specifications

Frequencies	LF HF **UHF**
Material	Aramid polymer
Operating Temperature	-40°C to 85°C
IP Class	IP68
Compliance	RoHs & Reach, CE, Rain RFID
Key Features	Rough Environment, Heat Tolerant, High Durability
Options	Laser Engraving

Full Specifications

Product ID	1025
Name	High Temperature
PEAK Performance	yes
Material	Aramid polymer
Shape	Laminated
Short Description	Wafer-thin UHF RFID Tags designed to endure harsh treatment
Long Description	This rugged UHF Label can be laser engraved and withstand exposure to high temperatures, flames, chemicals, pressure and torsion, with uncompromised performance. High Temperature Labels deliver consistent and reliable readability during the rigors of auto manufacturing, including welding operations, autoclaves, anti-corrosive electrolyte baths, cycles of paint layer application, and drying ovens that exceed 200°C
Key Features	Rough Environment, Heat Tolerant, High Durability
Options	Laser Engraving
Main Use	Manufacturing Automation
Article Type	Label
Color	Beige
Length [mm]	80

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Width [mm]	50
Thickness [mm]	0.5
Weight [g]	2.5
Operating Temp °C (min)	-40
Operating Temp °C (max)	85
Storage Temp °C (min)	-40
Storage Temp °C (max)	85
Peak Temp I / °C	140
Peak TIME I [h]	400
Peak Temp II / °C	180
Peak TIME II [h]	100
Peak Temp III / °C	230
Peak TIME III [h]	20
High Temp	yes
IP Class	IP68
Chemical Resistance	Mineral oil, petroleum, salt mist, vegetable oil
Flame Resistance	UL 94 V0
Mechanical Resistance	IEC 68.2.6 / 68.2.29
Attachment Method	Screw/Rivet
Compliance	RoHs & Reach, CE, Rain RFID

VARIANTS AND ICS

ID	Variant	Band	Type	ISO
1025-01-364-00	80x50mm	UHF	Monza 4D	ISO 18000-6C / EPC Gen2 V2

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