



Manufacturer of RFID tags

DATASHEET

LF Universal Tag (with hole)

Tag Code: L12X171

Universal Tag is ideal for asset tracking in industrial & logistics application. It is available with different Chips & memory Sizes.



Electrical Specification

Air Interface Protocol	ISO/IEC 11784/85, Read Only Mode
Operational Frequency**	125kHz (134.2kHz on request)
Chip**	EM4200
	128 bit laser programmed ROM (64 & 96 bit option available)
	Several options of data rate and data encoding
	<ul style="list-style-type: none"> ❖ Manchester 32 & 64 RF clock per bit ❖ Biphas 32 & 64 RF clock per bit ❖ PSK 16 RF clock per bit ❖ FSK2 50RF clock per bit

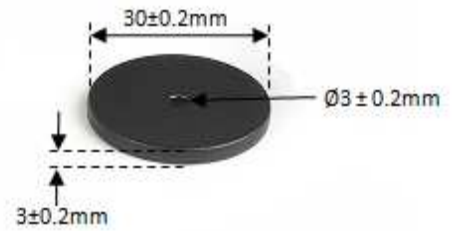
Physical / Mechanical Specification

Diameter	Ø 30 mm	Ø 25 mm	Ø 20 mm
Thickness	3.0 mm	3.0 mm	3.0 mm
Weight	2.0 gm	1.3 gm	1.0 gm
Hole Dia	Ø 3.0 mm	Ø 3.0 mm	Without hole
Tag Code	L123171	L122171	L121171
Encasement	PC/ ABS		
Color**	Black		
Quality Assurance	100% reader tested		

Environmental Resistance

Operating temperature	-40°C to +80°C
Storage temperature	-40°C to +80°C
Ingress protection rating	IP66
Attachment***	Riveting/ Screw / Adhesive
Applicable surface	Metal, Wooden, Plastic

Dimensions



Chemical Resistance

Resistant to continuous exposure to salt water for 2 hours

Resistant to continuous exposure to motor oil for 2 hours

Additionally, abrasion resistant against HCL and IPA

Additional Services

Pre-encoding	On request
Customization***	Logo / text printing on request

* Actual Read range may vary depending upon the reader and environmental factor

** Other on request

*** Available as an option at extra cost

Order Information

L12X171	With EM4200
L12X131	With EM4305
L12X055	With NXP HitagS 256

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