

UHF Label

Product Information

UHF Paper and Film Labels are built for universal use. We offer them in two styles to perform best on the major surfaces in the RFID applications: cardboard and plastic.

A broad spectrum of applications in different kind of environments can be realized e.g. tagging of cardboard packages, applying on plastic transport boxes or labelling of shrink film on pallets.

To fulfil the application needs, UHF paper and film labels are designed, converted and tested for the use in the most common RFID printers i.e. Avery, DATAMAX, Printronix, SATO, Toshiba-TEC, Zebra (no preferences, just alphabetic order)



Feature	TTP-Label 4x6"-PH58 for Carton / Paper	TTF-Label 86x54-PH59 for Plastic Surface	TTF-Label 12x180-PH46 for Plastic Surface
Product Dimensions	4 x 6" (101,6 x 152,4 mm)	86 x 54 mm (3,4 x 2,1")	12 x 180 mm (0,5 x 7")
Surface material	Paper	Film	Film
Technology Type	UCode ePC 1.19	UCode ePC 1.19	UCode HSL
Manufacturer / Supplier	Philips Semiconductors	Philips Semiconductors	Philips Semiconductors
Operating frequency	868 MHz	868 MHz	868 MHz
Unique ID / ePC number	96 bit ePC	96 bit ePC	64 bit
User memory	256 bit read / write	256 bit read / write	1728 bit (216 byte) read/ write
Antenna size	20 x 88 mm	20 x 75 mm	1 x 174 mm
Anticollision	up to 100 labels / sec.	up to 100 labels / sec.	up to 100 labels / sec.
Operating distance*	up to 2 m (0,5 W ERP)	up to 2 m (0,5 W ERP)	up to 2 m (0,5 W ERP)
Available Design for	e.g. Carton and Paper	e.g. Plastic Tray	e.g. Plastic Tray high perform.
Adhesive	permanent on carton and paper	permanent on plastic	permanent high performance
Printability	Thermal Transfer	Thermal Transfer	Thermal transfer (if applicable)
Operating temperature	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Storage temperature	20°C ± 5°C	20°C ± 5°C	20°C ± 5°C
Delivery form	250 pcs. on 3" (76mm) core	250 pcs. on 3" (76mm) core	250 pcs. on 3" (76mm) core
Minimum order quantity	1.000 pcs.	1.000 pcs.	1.000 pcs.

*Dependent on reader/antenna configuration, the environment in which the system is running and country specific emission/RF regulations

Further product formats (4x6", 4x4", 4x2", etc.) and additional chip technologies are available on request.



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