

Product-type designation **RF680L transponder**



SIMATIC RF680L SMARTLABEL;
 86X54X0.3 MM;
 HEAT-RESISTANT;
 ISO 18000-6C,
 EPC CLASS 1 GEN 2 FREQUENCY 860 UP TO 928 MHZ
 CHIP TYPE,
 NXP G2XM EPC 240 BIT 64 BYTE ADD-ON MEMORY
 +200 DGR/C FOR 6 HOURS;
 1000 PCS PER 1 ROLL MINIMAL ORDER QUANTITY 1000
 PCS

Suitability for installation RF600

Wireless frequencies

Operating frequency 860 ... 960 MHz

Electrical data

Range
 • maximum 4 m

Protocol / for radio transmission EPCglobal Class 1 Gen 2 / ISO 18000-6C

Transfer rate / with radio transmission / maximum 320 kbit/s

Product property / multitag-capable Yes

Polarization Linear

Product component / Buffer battery No

Memory

Type of memory EEPROM

Memory capacity / of user memory 64 byte

Type of memory organization EPC memory 96/240 bits, user memory 64 bytes (512 bits), TID memory 8 bytes

Number of read cycles / at ambient temperature < 40 °C / maximum 10000000000000

Number of write cycles / at ambient temperature < 40 °C / maximum 100000

Data retention time / at ambient temperature < 40°C / at least 10 a

Mechanical data

Material	Paper
Mounting distance / for metal surfaces / recommended / minimum	3 mm
Permitted ambient conditions	
Ambient temperature	
• during read/write access	-25 ... +85 °C
• outside the read/write area	-40 ... +230 °C
• during storage	-40 +85 °C
Ambient condition / for (standard) operation mode	Operating temperature permanent up to 85 °C, for 6 hours up to 200 °C, for 1 hour up to 220 °C, short-term up to 230 °C
Mechanical stress resistance	Torsion and bending stress conditionally permissible
Design, dimensions and weight	
Width	54 mm
Height	0.3 mm
Depth	89 mm
Net weight	3 g
Product properties, functions, components / general	
Product feature / silicon-free	Yes
Product property / printable	Yes
Printing process	Thermal transfer process
letzte Änderung:	Jul 21, 2014