SIEMENS

Data sheet   **6GT2810-2HC81**

product type designation	**RF620T transponder**
	SIMATIC RF620T Container Tag; 127x 38x 6 mm; ISO 18000-6C, EPC Class 1 GEN 2, frequency 860 to 928 MHz, Chip type IMPINJIMONZA 4QT, EPC 128 bit, 64 bytes add-on memory, Minimum order quantity 20 units.

suitability for operation	RF600
radio frequencies	
operating frequency	860 ... 960 MHz
range / maximum	8 m; observe system manual RF600: overrange is possible, range is reader dependent: observe http://support.automation.siemens.com/WW/view/en/67384964
protocol / with radio transmission	EPCglobal Class 1 Gen 2 / ISO 18000-63
transfer rate / with radio transmission / maximum	320 kbit/s
product feature / multitag-capable	Yes
polarization	Linear
electrical data	
product component / backup battery	No
memory	
type of memory	EEPROM
storage capacity / of the user memory	64 byte
type of memory organization	EPC memory 96 bit (12 byte) assigned with sequential identifier and expandable up to 128 bit (16 byte), user memory 512 bit (64 byte), TID memory 32 bit (4 byte)
number of read cycles / at ambient temperature < 40 °C / maximum	1E+14
number of write cycles / at ambient temperature < 40 °C / maximum	100000
data retention time / at ambient temperature < 40 °C / not less than	10 a
property of memory	lock, unlock, write protection, password protection
type of transponder chip used	IMPINJ MONZA 4QT
mechanical data	
material	PP (polypropylene)
color	anthracite
tightening torque / of the screw for securing the equipment / maximum	1.2 N·m
mounting distance / relating to metal surfaces / recommended / minimum	0 mm
ambient conditions	
ambient temperature	
● during read/write access	-25 ... +85 °C
● outside the read/write area	-40 ... +85 °C
● during storage	-40 ... +80 °C
protection class IP	IP67
shock resistance	According to DIN EN 60721-3-7 Class 7 M3
shock acceleration	1000 m/s²
vibrational acceleration	500 m/s²

7/10/2023

resistance to mechanical stress	Torsion and bending stress not permissible
design, dimensions and weights	
width	38 mm
height	6 mm
depth	127 mm
net weight	18 g
fastening method	gluing, 2 x M5 screws, spacer (see accessories)
product features, product functions, product components / general	
product feature	
● printable	Yes
printing process	Laser inscription
standards, specifications, approvals	
certificate of suitability	
● IECEx	No
● cULus approval	Yes
accessories	
accessories	Spacers
further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	https://support.industry.siemens.com/cs/ww/en/view/67384964
● to website: Industrial communication	http://www.siemens.com/ident/rfid
● to website: Industry Mall	https://mall.industry.siemens.com
● to website: Information and Download Center	http://www.siemens.com/industry/infocenter
● to website: Image database	http://automation.siemens.com/bilddb
● to website: CAx-Download-Manager	http://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

last modified: 2/10/2022