



SIMATIC RF670T (FCC) FR4, 40 x 30 x 4.1 mm ISO 18000-63, EPC Class 1 Gen 2 frequency 902 to 928 MHz NXP UCODE 9XM 496 bits (62 bytes) EPC ID 752 bits (94 bytes) user memory fixing by glueing on metal, heat-resistant printing not possible temperature from -40 °C to +185 °C IP67 100 units/carton 1 carton 100 units MOQ

suitability for operation

RF600

Technical Product Detail Page

<https://l.siemens.com/1P6GT2810-3MG10>

### radio frequencies

operating frequency	902 ... 928 MHz
range / maximum	4.5 m; observe system manual RF600: overrange is possible, range is reader dependent: observe <a href="http://support.automation.siemens.com/WW/view/en/67384964">http://support.automation.siemens.com/WW/view/en/67384964</a>
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
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### memory

type of memory	EEPROM
storage capacity / of the user memory	94 byte
type of memory organization	EPC ID variable 128, 256 or 496 bits (16, 32 or 62 bytes), user memory variable 752, 624 or 384 bits (94, 78 or 48 bytes), TID memory 96 bits (12 bytes)
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	NXP Ucode 9xm

### mechanical data

material	PCB
color	black
mounting distance / relating to metal surfaces / recommended / minimum	0 mm

### ambient conditions

ambient temperature	
<ul style="list-style-type: none"> <li>during read/write access</li> <li>outside the read/write area</li> <li>during storage</li> </ul>	<p>-25 ... +85 °C</p> <p>-40 ... +230 °C</p> <p>-20 ... +85 °C</p>
protection class IP	IP67
shock resistance	According to DIN EN 60721-3-7 Class 7 M3
shock acceleration	1000 m/s <sup>2</sup>
vibrational acceleration	200 m/s <sup>2</sup>

resistance to mechanical stress	Torsion and bending stress not permissible
<b>design, dimensions and weights</b>	
width	40 mm
height	3.6 mm
depth	30 mm
net weight	8 g
fastening method	gluing
<b>product features, product functions, product components / general</b>	
product feature	
• silicon-free	Yes
• printable	No
<b>standards, specifications, approvals</b>	
certificate of suitability	
• IECEx	No
<b>further information / internet links</b>	
internet link	
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to web page: identification and localization systems	<a href="https://www.siemens.com/ident">https://www.siemens.com/ident</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
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