



SIMATIC RTLS transponder RTLS5201T, Asset Compact, UWB, ETSI, FCC, CMIIT, ISED

suitability for operation	RTLS5000 with UWB technology
Technical Product Detail Page	https://i.siemens.com/1P6GT2752-0TS01
radio frequencies	
operating frequency / 1	6000 ... 7000 MHz; depending on the country approvals
range / 1 / maximum	Range information for open air applications; always follow the manual
accuracy of localization / 1	
• typical	0.1 m
protocol / 1 / with radio transmission	IEEE 802.15.4-2015 UWB HRP PHY
transfer rate / 1 / with radio transmission / maximum	850 kbit/s
electrical data	
type of voltage supply	battery
product component / backup battery	No
product feature / replaceable battery	Yes
battery life / typical	5 a; standby mode: 5 year, UWB localization in 1 second cycle: 1 year
memory	
type of memory	FLASH
data retention time / at ambient temperature < 40 °C / not less than	20 a
property of memory	Configuration memory
mechanical data	
material	PC
color	Ti gray
ambient conditions	
ambient temperature	
• during read/write access	-20 ... +65 °C
• outside the read/write area	-20 ... +65 °C
• during storage	20 ... 65 °C
protection class IP	IP67
design, dimensions and weights	
width	59.3 mm
height	23.1 mm
depth	42.4 mm
net weight	29 g
fastening method	2 M3 screws or cable ties with maximum 3.5 mm width
standards, specifications, approvals	
certificate of suitability	EU conformity according to RED, RoHS
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
accessories	
accessories	replacement battery: 1 x battery 1/2AA: 3.6 V lithium batteries; brand: SAFT

further information / internet links

internet link

- to web page: selection aid TIA Selection Tool
- to web page: identification and localization systems
- to web page: SiePortal
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

<https://www.siemens.com/tstcloud><https://www.siemens.com/ident><https://sieportal.siemens.com/><https://www.automation.siemens.com/bilddb><https://www.siemens.com/cax><https://support.industry.siemens.com>**security information**

security information

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Approvals / Certificates**General Product Approval****Radio Equipment Type Approval Certificate**[China RoHS](#)[Manufacturer Declaration](#)[Miscellaneous](#)

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