S9028PCL12NFB ✔ ACTIVE

TE Internal #: S9028PCL12NFB

Panel Antenna, Single Band, RFID, External Mount, Wall/Ceiling Mount, N-type, Directional, Single Port, > 6 dBi Peak Gain

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Antennas



Communication Protocol: **RFID**

Mounting Location: **External**

Mounting Type: **Wall/Ceiling Mount**

Frequency Category: **862 – 870**

Antenna Type: **Panel**

Features

Product Type Features

Antenna Termination	N-type
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Panel
Mounting Location	External
Antenna Type	Panel
Band Type	Single Band
Port Configuration	Single Port

Electrical Characteristics

Antenna Operation	Passive
VSWR (Max)	<1.5

Signal Characteristics

Frequency Band	865 – 868 MHz
Gain (Max)	8 dB
Frequency Category	862 – 870
Peak Gain	> 6 dBi

Mechanical Attachment

Mount Product Type	Wall

Polarization	Right Hand Circular
Mounting Type	Wall/Ceiling Mount

Operation/Application

Option	Connector Preinstalled
Antenna Environment	Indoor
Wireless Standard	915 ISM & ZigBee US
Directionality	Directional

Industry Standards

IP Rating	Not Tested
Communication Protocol	RFID
Primary Application	RFID

Product Availability

Applicable Region	Global

Packaging Features

Packaging Method	Box

Other

Precision Level	Standard

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	未针对中国 RoHS 符合性进行审核 Not reviewed for China RoHS compliance
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (4% in Component Part) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked.Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # LAIL350NN
SURGE,NN,0-1000MHZ INLINE

Documents

Product Drawings

Panel,LHCP,12IN,NF

English

Datasheets & Catalog Pages

Mini RFID Panel Antenna 902-928 MHz

English

Agency Approvals

UK Declaration of Conformity

English