



S9028PCx

Mini RFID Panel Antenna 902-928 MHz

The S9028PCx series are circular-polarized panel antennas that provide reception and transmission of signals in the 902-928 MHz frequency band. Our industry-renowned design methodology achieves maximum efficiency and performance across the entire frequency band.

Both VSWR and axial ratios are excellent and allow the user to achieve the maximum performance for an antenna of this type. The antenna is housed in a heavy-duty radome enclosure that can be directly wall mounted. An optional articulating mount allows either wall or mast mounting.

The antenna is offered with an integrated coax pigtail and a variety of connector types are available.

FEATURES AND BENEFITS

- Left-hand and right-hand CP versions
- Low profile
- Extremely low VSWR and axial ratio
- Weather and UV-resistant radome
- Wide-range of connector and cable options
- Mounts flush to the wall

APPLICATIONS

- Warehouse
- Distribution center
- Airports and hospitals
- Transit terminals
- Conveyer belt

ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	902 - 928
VSWR - Max	1.3:1
Gain (dBic)	9
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	10
Polarization	Circular RH or Circular LH
Horizontal Plane 3 dB Beamwidth	70°
Front-to-Back Ratio (dB)	20
Axial Ratio - Typical (dB)	1.0

MECHANICAL SPECIFICATIONS

Dimensions - length x width x height - cm (inches)	25.908 (10.2) x 25.908 (10.2) x 3.048 (1.32)
Weight - kg (lbs.)	1.04 (2.3)
Mounting Style	Flush mount to wall
Radome Material	White High Strength PC
Lightning Protection	DC Grounded

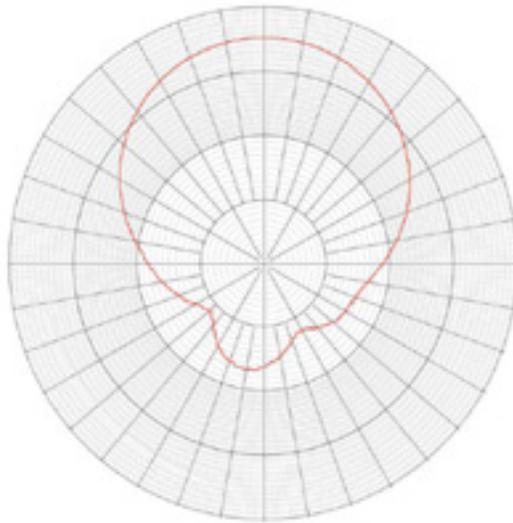
ENVIRONMENTAL SPECIFICATIONS

Operating Temperature - °C (°F)	-30 to +70°C (-22 to +158°F)
Ingress Protection Rating	IP54
Material Substance Compliance	RoHS, CE, UKCA

CONFIGURATION

PART NUMBER	PIGTAIL CABLE LENGTH cm (In.)	POLARIZATION	CONNECTOR
S9028PCL12NF	30 (12)	LHCP	N Female
S9028PCL12NFB	30 (12)	LHCP	N Female
S9028PCL36SMM	90 (36)	LHCP	SMA Male
S9028PCL40RTN	100 (40)	LHCP	TNC Male Reverse Polarity
S9028PCL96RTN	240 (96)	LHCP	TNC Male Reverse Polarity
S9028PCLJ96RTN	240 (96)	LHCP	TNC Male Reverse Polarity
S9028PCR12NF	30 (12)	RHCP	N Female
S9028PCR12NFB	30 (12)	RHCP	N Female
S9028PCR36SMM	90 (36)	RHCP	SMA Male
S9028PCR96RTN	240 (96)	RHCP	TNC Male Reverse Polarity
S9028PCRJ96RTN	240 (96)	RHCP	TNC Male Reverse Polarity

RADIATION PATTERNS - 915 MHz



TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

te.com

TE, TE Connectivity, TE connectivity (logo), and EVERY CONNECTION COUNTS are trademarks owned or licensed by the TE Connectivity plc family of companies. Other product names, logos, and company names mentioned herein may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this document, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, complete, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES REGARDING THE INFORMATION CONTAINED HEREIN, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. In no event will TE be liable for any direct, indirect, incidental, special or consequential damages arising from or related to recipient's use of the information. It is the sole responsibility of recipient of this information to verify the results of this information using their engineering and product environment. Recipient assumes any and all risks associated with the use of the information. Antenna performance may vary. TE is a component manufacturer, and customer and/or end-user is responsible for all end-use compliance and regulatory requirements.

©2025 TE Connectivity. All Rights Reserved.

05/25 Original