

Series 2000 Stick Antenna

Description

This antenna, connected to a Radio Frequency Module (RFM), forms the interface to the low frequency (134.2kHz) transponders. In combination with the RFM it transmits energy and signals to the transponder and receives the reply. The stick antenna provides a focused read zone and an ability to separate between transponders in close proximity.

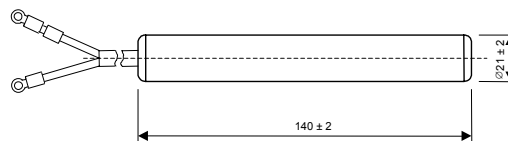
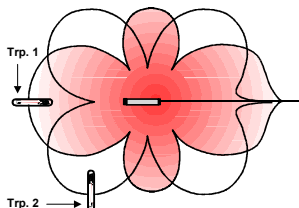


Specifications:

Part Number	RI-ANT-S01C	RI-ANT-S02C
Type	Ferrite Rod	
Inductance	Typically 27μH @ 134.2 kHz	
Operating Temperature	-30 to +70°C	
Storage Temperature	-40 to +85°C	
Protection Class	IP 66	
Vibration	Mil-Std -- 810E, Test 514.4 (Category 1, Procedure 1; Basic transportation)	
Case Material	Glass Reinforced Epoxy (grey)	
Dimensions	∅ 21mm ± 2 mm * 140 mm ± 2 mm	
Weight	134 g	185 g
Cable Length	1 m	3 m
Connection Terminals	Ring lugs: 3.5 mm inside diameter, 6 mm outside diameter	
Mounting	Use non-metal clamps. Mounting material is not supplied with the antenna.	

Readout pattern of Stick Antenna

- Trp. 1 reading field
- Trp. 2 reading field



For more information, contact the sales office or distributor nearest you. This contact information can be found on our web site at: <http://www.ti-rfid.com>

Texas Instruments reserves the right to change its products and services at any time without notice. TI provides customer assistance in various technical areas, but does not have full access to data concerning the uses and applications of customers products. Therefore, TI assumes no responsibility for customer product design or for infringement of patents and/or the rights of third parties, which may result from assistance provided by TI.