

## SERIES 2000 STICK ANTENNA

### FEATURES

- Best in Class Performance Through Patented HDX Technology
- IP 64+ Protected
- 2 Types Available
- Proven in Harsh Industrial Environments
- Easy to Install and Use

### APPLICATIONS

- Access Control
- Vehicle Identification
- Container Tracking
- Asset Management
- Waste Management



### DESCRIPTION

These antenna products connect to Radio Frequency Modules (RFM) and reader/writers to form the interface to the low frequency (LF) 134.2 kHz Texas Instruments transponders. In combination with a reader/writer they transmit energy and signals to the transponder and receive the response from the tag. There are two standard stick antennas with 1 or 3 meter cable length available for usage in low frequency systems. Each antenna is capable of creating a specific size and shape of read zone to meet the requirements of the target application. Stick antennas provide a more focused read zone and an ability to discriminate between transponders.

The antennas are well suited for usage in a broad range of applications including, but not limited to, access control, vehicle identification, container tracking, asset management and waste management applications.



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**ABSOLUTE MAXIMUM RATINGS**

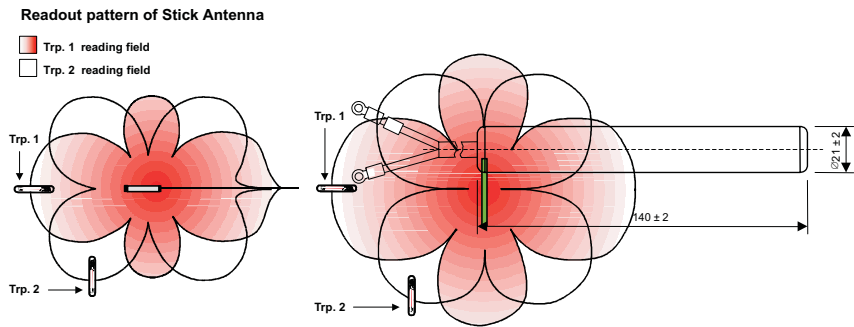
over operating free-air temperature range (unless otherwise noted)

	RI-ANT-S01C	RI-ANT-S02C	UNIT
Operating temperature	-30°C to +70°C	-30°C to +70°C	°C
Storage temperature	-40°C to +85°C	-40°C to +85°C	°C

**OPERATING CHARACTERISTICS**

over operating free-air temperature range (unless otherwise noted)

PARAMETER	PART NUMBER		UNIT
	RI-ANT-S01C	RI-ANT-S02C	
Type	Ferrite rod		
Inductance	Typically 27 μH @ 134.2 kHz		
Protection class	IP66		
Vibration	Mil-Std -- 810 E, Test 514.4 (Category 1, Procedure 1; Basic transportation)		
Case material	Glass reinforced epoxy (grey)		
Dimensions	21 ± 2 × 140 ± 2		mm
Weight	134	185	g
Cable Length	1	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.		



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