

RSI-616 Inlay

865 - 928 MHz Global, Passive Transponder

Sirit's RSI-616 is an omni-directional, surface independent antenna designed for use in applications which require orientation insensitivity, longer read ranges, or on items in close proximity to metal. Optimized for use on a broad variety of surfaces, the RSI-616 is the tag to use for challenging applications.



Performance Characteristics

Operating Frequency:	902 - 928 MHz Americas, 4 W EIRP 869.4 - 869.56 MHz Europe, 0.5 W ERP 865.6 - 867.6 MHz Europe, 2 W ERP
Supported Protocol:	ISO 18000-6C
Data Transfer Rate:	Up to 640 kbps
Functionality:	Read/Write

Memory

Chip Type:	Monza 3
EPC:	96 bits
User Memory:	0 bits
Tag Identifier:	32 bits
Access password:	32 bits
Kill password:	32 bits
EEPROM data retention:	50 years
EEPROM write endurance:	100,000 cycles

Physical Characteristics

Dimensions (WxL):	Antenna - 91.924 x 66.68 mm (3.62 x 2.625 in.) Wet Inlay - 94.425 x 76.20 mm (3.875 x 3.0 in.)
Pitch:	79.375 mm (3.125 in)
Antenna Material Type:	Aluminum
Yield:	95% (Dry); 99.6% (Wet)
Core Size:	3 in
Quantity/Roll:	5,000 (Dry); 1,000 or 5,000 (Wet)
Part Number:	IN-16 (Dry) WI-16 (Wet)

Environment

ESD Voltage Immunity:	+/- 3kV
Operating Temperature:	-40°C to +85°C (-40°F to 185°F)
Storage Temperature:	-55°C to +125°C (-67°F to 257°F)
Relative Humidity:	30% - 70%

For more information contact Sirit tag sales at 1.619.656.2515 or at



About Sirit Inc.

Sirit Inc. (TSX: SI) is a leading provider of Radio Frequency Identification (RFID) tags, readers, embedded modules and services, and a leading vertically integrated manufacturer of antennas, inlays and tags, which when integrated with our partners' products are designed to make RFID work. Sirit's core skills in rapid tag design and high quality manufacturing of inlays and labels, coupled with its extensive systems design and integration expertise, enable it to deliver complete, innovative solutions to complex RFID problems across global markets. For more information contact Sirit tag sales at 619.656.2515. or visit www.sirit.com.