Sirit
vision beyond sight™

Sirit's RSI-655 is a small near-field antenna designed for high-value asset tracking and applications where a small form factor tag is required. Designed for use with NXP UCODE and Alien Higgs 3 ICs, the RSI-655 has options for standard or additional user memory.

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:	NXP UCODE G2XL; G2XM, Alien Higgs 3
EPC:	96 bits, scaleable
User Memory:	512 bits (G2XM & Higgs 3)
Tag Identifier:	64 bits
Access password:	32 bits
Kill password:	32 bits
EEPROM data retention:	10 years
EEPROM write endurance:	100,000 cycles
Physical Characteristics	
Dimensions (WxL):	Antenna - 16.74 x 13.0 mm (0.659 x 0.512 in.) Wet Inlay - 22.225 x 19.05 mm (0.875 x 0.75 in.))
Pitch:	22.225 mm (0.875 in)
Antenna Material Type:	Conductive Silver Ink
Yield:	95% (Dry); 99.6% (Wet)
Core Size:	3 in
Quantity/Roll:	5,000 (Dry); 1,000 or 5,000 (Wet)
Part Number:	IN-55 (Dry) WI-55 (Wet)
Environment	
ESD Voltage Immunity:	+/- 3kV
Operating Temperature:	-40ºC to +85ºC (-40ºF to 185ºF)
Storage Temperature:	-55ºC to +125ºC (-67ºF to 257ºF)
Relative Humidity:	30% - 70%

For more information contact Sirit tag sales at 1.619.656.2515 or at

www.sirit.com

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.