

RSI FT-77

865 - 928 MHz Global, Passive Tag



Global Passive Transponder with Foam Offset for Hard-To-Tag Applications

Sirit's RSI FT-77 tag is a high performance radio frequency identification (RFID) tag manufactured with a foam offset, designed to create a cost effective solution for use on hard to tag surfaces like metal or liquids. The FT-77 incorporates a foam layer which creates a space between the tagged substrate and the inlay, minimizing the interference that would typically occur when you attach a UHF tag to a metal surface or in close proximity to liquids. The FT-77 is a cost effective solution, making it ideal for supply chain or asset tracking applications, especially those where metal or liquid are present.

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
Working Range:	Determined by reader/antenna configuration, regulatory specifications and application surface; read range between 1.85 m (6 ft.) and 6.7 m (22ft), with Sirit's <i>Infinity</i> 510 reader.
Supported Protocol:	ISO 18000-6C
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):	95.25 x 12.7 mm (3.75 x 0.5 in.)
Part Number:	FT-77
Environment	
ESD Voltage Immunity:	+/- 3kV
Operating Temperature:	-40°C to +85°C (-40°F to 185°F)

The diagram shows a cross-section of the tag with four distinct layers. From top to bottom, they are: Face stock (the outermost thin layer), Inlay (the central rectangular area containing the antenna), Foam (a thicker layer directly beneath the inlay), and Adhesive (the bottom-most layer). A legend on the right side of the diagram identifies each layer with a corresponding line.

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.