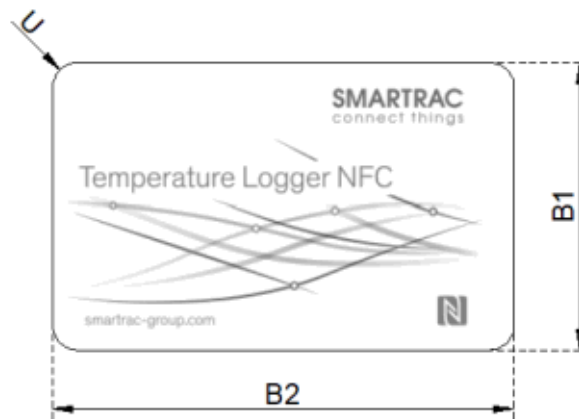


Temperature logger NFC Singulated Wet
 ISO15693 and NFC-V (T5T) compliant
 AMS AS39513
 Sales code 3500191

Mechanical dimensions

A1 x A2	Antenna size	38,5 x 72,5 mm	± 0,5 mm	1,516 x 2,854 in
B1 x B2	Die-cut size	53,98 x 85,60 mm	± 0,2 mm	2,125 x 3,370 in
U	Die-cut corner radius	3 mm		0,118 in



Electrical characteristics

Integrated Circuit (IC)	AMS AS39513
Air interface protocol	ISO15693 and NFC-V (T5T) compliant
Operation frequency	13,56 MHz
Unloaded resonance frequency	TBD
Memory	9k bit EEPROM
Read Sensitivity	Min. 4,5 V/m

Average/estimated battery life span of product is as follows:

Logging Interval	Estimated Battery Life Span*
1 minute	0.5 days
5 minutes	2.6 days
30 minutes	15.9 days
1 hour (Std.)	31.8 days
2 hours	63.5 days
6 hours	190 days

30 days using standard configuration. Extending logging period over this, is not guaranteed by SMARTRAC.

General characteristics of transponder

Operating temperature (electronics parts)	-40 °C / +125 °C	-40 °F / 257 °F
ESD voltage immunity	± 2 kV peak HBM	
Shelf life: From the date of manufacture 2 years in	+20 °C, 50 % RH	68 °F, 50 % RH

Delivery form

Transponder format	Singulated
Transponder face material	Not defined
Transponder antenna material	Aluminum, crimped coil
Final inspection	Not defined
Box label	TBD

Delivery details

Appearance	Singulated
Winding of the reel	Face out
Package size	400 pcs/box Deliveries only in full packages.
Box type	A

Disclaimer:

SMARTRAC reserves the right to change its products and services at any time without notice. Our recommendations are based on our best knowledge and experience. As the products are used outside our control we cannot take responsibility for any damage that may be caused when using the product. Use extra care in handling the product.

Products classified as CES samples have the released for production (RFP) product's form factor, RF performance and IC functionality. CES samples represent the RFP products in most aspects. CES samples are delivered without any warranty. During the CES phase, SMARTRAC reserves the right to modify product specifications without notice.

This technical specification replaces all earlier ones.

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