

iDisc 50mm LF



MECHANICAL DIMENSIONS

DIAMETER	50mm ± 0.3 mm
THICKNESS	3.6mm ± 0.5mm
HOLE	5.2mm ± 0.2mm

MATERIAL

Polyamide with Glass fiber

COLOUR

Black

WEIGHT

11.2 g typical

INTEGRATED CIRCUITS

* others upon request

NXP	HitagS 256	256 bit R/W
EM	EM4102	64 bit RO
EM	EM4305	512 bit R/W

OPERATING FREQUENCY

125 ± 5 kHz

OPTIONS

Customized embossed logo on lots of 50k

STORAGE TEMPERATURE

-35°C to +100°C

OPERATING TEMPERATURE

-35°C to +85°C

SHOCK TEMPERATURE

-35°C to +100°C (500 times 15 min with transition time of 50s)

PEAK TEMPERATURE

150°C (60min) - functional test ok

WATERPROOFNESS

IP68 (50m, 24h)

CHEMICAL RESISTANCE

5% Sodium Chloride- 24h

5% Sodium Carbonate - 24h

5% Acetic acid - 24h

Gasoline - 24h

Hot Oil 150°C - 15mins

APPLICATION SPECTRUM

Industrial and Logistics (palette, tool, box...)

© 2008 Smartrac N.V.

All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. SMARTTRAC reserves the right to change any information or data in this document without prior notice.

