



RFID TAGS

HRT - 2000

RFID tags are fixed to all the library items (books, CDs, etc.). RFID tags are the key for the entire solution.

2CQR's RFID tags are designed to provide libraries with the best performance and durability.

DETAILS:

- 2cqr HRT2000 Label available with dimensions 80x50 mm has been developed especially for library management .
- These are supplied in roll form as finished labels.
- Book labels have been optimized for thermal barcode printers, enabling low cost and hassle-free RFID deployment.
- Library and Media Management
- Documents Management
- Supply chain and logistics

SPECIFICATIONS:

Parameter	Technical Specs
Face Stock	Printable white Paper
Label Sizes	80 x 50 x 0.2 mm / 3.15 x 1.97 x 0.01 in
Adhesive	High performance permanent adhesive with excellent bonding to a variety of substrates
Weight	1.1 gms
Delivery format	On reel
No. of Labels/ Reel	500 pcs
Label Pitch	84.14 mm / 3.31 in
Core Inner Diameter	76 mm / 3 in
Roll Outer diameter	140 mm / 5.11 in
Mode of Operation	Passive
Device type	Passive HF RFID transponder
Air interface protocol	ISO/ IEC 15693
Operational frequency	13.56 MHz
IC type	NXP ICODE SLIX II
Memory configuration	2560 bits, UID - 64 bits , User Memory - 2528 bits
Data Retention	Upto 50 years
Write Endurance Cycles	100000
Applicable surface materials	Non-metallic surfaces
Operating Temperature	-20°C to +70°C / -4°F to +158°F
Withstands Exposure To	95% humidity, 60°C x 100 h, 50% humidity, 80°C x 100 h
Peak Temperature	+100°C for 1 hr, +85°C for 100 hrs (Label remains securely attached with object.No physical or performance changes observed)
Adhesive Service Temperature	-20°C to +85°C / -4°F to +185°F
Recommended Application Temperature	+10°C to +38°C
Ideal Storage Condition	+23°C / 50% RH
Expected Lifetime	Years in normal operating conditions