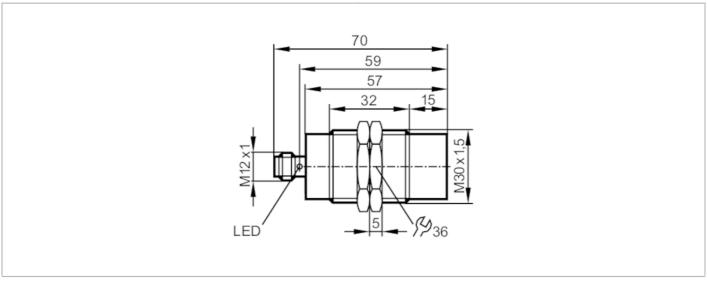
# **ANT435**

### RFID read/write head HF

DTRHF INRWIDUS03







Radio approval for Note on radio approval or Note on radio approval bloom radio approval radio approval bloom radio approval rad				
Radio approval for Note on radio approval French State (1974) (1				
Note on radio approval  The list of countries applying the European Radio Equipment Directive 2014/53/EU (RED) can be found under "Downloads".  Electrical data Operating voltage  [V] 19.228.8 DC; (supply only via the DTE10x evaluation unit (to EN 60950-1)) Current consumption [mA] < 50 Protection class Operating frequency [MHz]	Application		detection of objects on transport equipment	
Directive 2014/53/EU (RED) can be found under "Downloads".   Electrical data	Radio approval for		USA; Canada; EU/RED; Australia; Japan; China; Taiwan; India; Singapore; Ukraine	
Operating voltage         [V]         19.228.8 DC; (supply only via the DTE10x evaluation unit (to EN 60950-1))           Current consumption         [mA]         < 50	Note on radio approval			
Current consumption         [mA]         < 50	Electrical data			
Protection class Operating frequency [MHz] Operating frequency [MHz] RFID standard  Distance write/read head [mm] Iffort Distance write/read head side [mm] Operating on the ID tag [mm] Interfaces Communication interface  Operating conditions Ambient temperature [°C] Storage temperature [°C] Protection  Frosts / approvals Shock resistance  EN 60068-2-27 EN 60068-2-6  EN 60068-2-6  EN 60068-2-6  DIII  III  13,56  ISO 15693  DATA / DTE9  S 45  DATA / DTE10x  DATA / DTE10x  Operating conditions  -2060 -2580  IP 67; IP 69K  Tests / approvals  Shock resistance  EN 60068-2-7 EN 60068	Operating voltage	[V]	19.228.8 DC; (supply only via the DTE10x evaluation unit (to EN 60950-1))	
Operating frequency       [MHz]       13,56         RFID standard       ISO 15693         Detection zone         Distance write/read head front       160         Distance write/read head side [mm]       120         Distance to the ID tag [mm]       ≤ 45         Interfaces         Communication interface       DATA / DTE10x         Operating conditions         Ambient temperature       [°C]       -2060         Storage temperature       [°C]       -2580         Protection       IP 67; IP 69K         Tests / approvals         Shock resistance       EN 60068-2-27       50 g 11 ms / 40 g (6 ms, continuous)         Wibration resistance       EN 60068-2-6       20 g 102000 Hz         MTTF       [years]       556	Current consumption	[mA]	< 50	
SO 15693	Protection class		III	
Detection zone  Distance write/read head [mm]	Operating frequency	[MHz]	13,56	
Distance write/read head [mm] Distance write/read head side [mm] Distance to the ID tag [mm]  Distance to the ID tag [mm]  Distance to the ID tag [mm]  DATA / DTE10x  Operating conditions  Ambient temperature [°C] Storage temperature [°C] Protection  Tests / approvals  Shock resistance  EN 60068-2-27 Shock resistance  Wibration resistance  MTTF [years]  120  DATA / DTE10x  DATA	RFID standard		ISO 15693	
front Distance write/read head side [mm] Distance to the ID tag [mm] Distance to the ID tag [mm] Distance to the ID tag [mm]  DATA / DTE10x  Operating conditions Ambient temperature [°C] Storage temperature [°C] Protection Protection  Tests / approvals Shock resistance Wibration resistance EN 60068-2-27 EN 60068-2-6 DATA / DTE10x  DA	Detection zone			
Distance to the ID tag [mm] ≤ 45  Interfaces  Communication interface DATA / DTE10x  Operating conditions  Ambient temperature [°C] -2060 Storage temperature [°C] -2580  Protection IP 67; IP 69K  Tests / approvals  Shock resistance EN 60068-2-27 50 g 11 ms / 40 g (6 ms, continuous) Vibration resistance EN 60068-2-6 20 g 102000 Hz  MTTF [years] 556  Mechanical data	Distance write/read head front	[mm]	160	
Communication interface DATA / DTE10x  Operating conditions  Ambient temperature [°C] -2060 Storage temperature [°C] -2580 Protection IP 67; IP 69K  Tests / approvals Shock resistance EN 60068-2-27 50 g 11 ms / 40 g (6 ms, continuous) Vibration resistance EN 60068-2-6 20 g 102000 Hz  MTTF [years] 556  Mechanical data	Distance write/read head si	ide [mm]	120	
Communication interface  Operating conditions  Ambient temperature [°C] -2060 Storage temperature [°C] -2580 Protection IP 67; IP 69K  Tests / approvals Shock resistance EN 60068-2-27 50 g 11 ms / 40 g (6 ms, continuous) Vibration resistance EN 60068-2-6 20 g 102000 Hz  MTTF [years] 556  Mechanical data	Distance to the ID tag	[mm]	≤ 45	
Operating conditions  Ambient temperature [°C] -2060 Storage temperature [°C] -2580 Protection IP 67; IP 69K  Tests / approvals Shock resistance EN 60068-2-27 50 g 11 ms / 40 g (6 ms, continuous) Vibration resistance EN 60068-2-6 20 g 102000 Hz  MTTF [years] 556  Mechanical data	Interfaces			
Ambient temperature [°C] Storage temperature [°C] Protection Protection IP 67; IP 69K  Tests / approvals Shock resistance EN 60068-2-27 Shock resistance Vibration resistance EN 60068-2-6 EN 60068-2-6 EN 60068-2-6 Storage temperature EN 60068-2-27 Shock resistance EN 60068-2-57 Shock resistance EN 60068-2-57 Shock resistance EN 60068-2-56 Storage temperature Shock resistance Shock resistance EN 60068-2-57 Shock resistance EN 60068-2-57 Shock resistance Shock resistance FN 60068-2-56 Shock resistance FN 60068-2-57 Shock resistance FN 60068-2-57 Shock resistance FN 60068-2-57 Shock resistance FN 60068-2-57 Shock resistance FN 60068-2-77 Shock resistance FN 60068-2-70 Shock res	Communication interface		DATA / DTE10x	
Storage temperature [°C] -2580  Protection IP 67; IP 69K  Tests / approvals  Shock resistance EN 60068-2-27 50 g 11 ms / 40 g (6 ms, continuous)  Vibration resistance EN 60068-2-6 20 g 102000 Hz  MTTF [years] 556  Mechanical data	Operating conditions			
Protection IP 67; IP 69K  Tests / approvals  Shock resistance EN 60068-2-27 50 g 11 ms / 40 g (6 ms, continuous)  Vibration resistance EN 60068-2-6 20 g 102000 Hz  MTTF [years] 556  Mechanical data	Ambient temperature	[°C]	-2060	
Tests / approvals  Shock resistance  EN 60068-2-27  Shock resistance  Vibration resistance  EN 60068-2-6  EN 60068-2-6  EN 60068-2-6  EN 60068-2-6  Solution resistance  MTTF  [years]  Solution resistance  40 g (6 ms, continuous)  556  Mechanical data	Storage temperature	[°C]	-2580	
Shock resistance         EN 60068-2-27         50 g 11 ms / 40 g (6 ms, continuous)           Vibration resistance         EN 60068-2-6         20 g 102000 Hz           MTTF         [years]         556	Protection		IP 67; IP 69K	
Vibration resistance EN 60068-2-6 20 g 102000 Hz MTTF [years] 556  Mechanical data	Tests / approvals			
MTTF [years] 556  Mechanical data	Shock resistance		EN 60068-2-27 50 g 11 ms / 40 g (6 ms, continuous)	
Mechanical data	Vibration resistance		EN 60068-2-6 20 g 102000 Hz	
	MTTF	[years]	556	
Weight [g] 175.8	Mechanical data			
	Weight	[g]	175.8	

# **ANT435**

### RFID read/write head HF





Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	$M30 \times 1.5 / L = 70$
Thread designation		M30 x 1.5
Materials		housing: stainless steel; Protective cover: PPS

Displays / operating of	elements		
Display	operation	1 x LED, green	
	tag communication	1 x LED, yellow	

Accessories		
Items supplied	lock nuts: 2 x M30	
Remarks		
Remarks	Singapore Not approved for operation, for export only.	
Pack quantity	1 pcs.	

### Electrical connection

Connector: 1 x M12; coding: A



#### Connection

