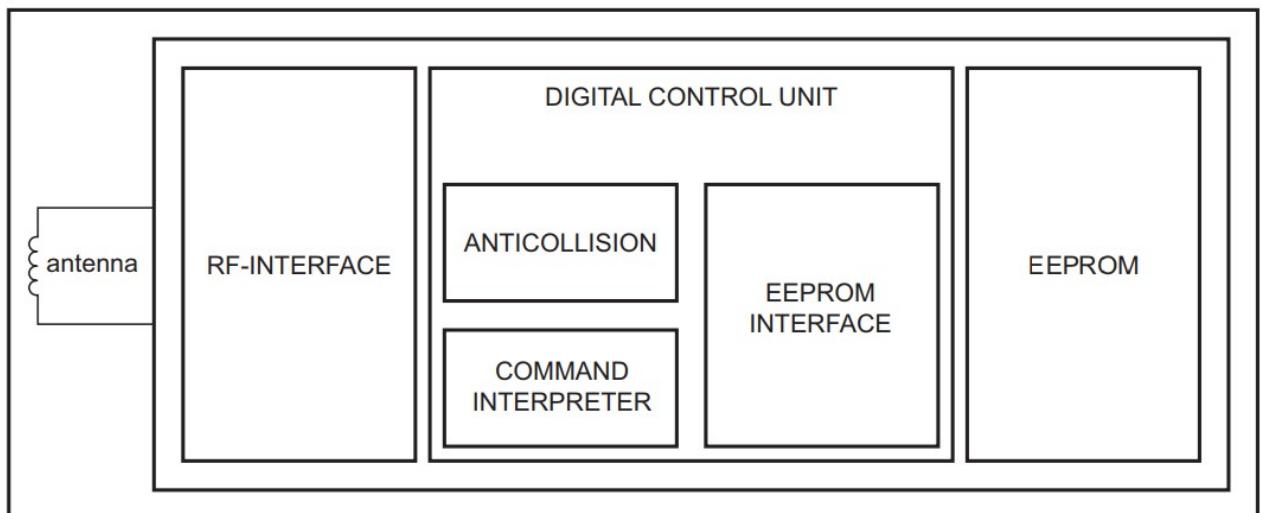


I、performance parameter

1. Chip:NTag 213
2. Operating Frequency : 13.56MHz
- 3 . Communication rate : 106Kbit/s
4. Size:6x16.5mm , Antenna board thickness0.13mm
5. Standard : 14443A , 180Byte
- 6 Frequency : 100000 times
7. Service life : 10 Years
8. Read range : 1~2CM
- 9 . Data read and write time less than 100ms
- 10.Operation temperature : -10~85

II、Function Description

schematic diagram



III、 Function Description

EEPROM memory structure

Page Adr	
Dec	Hex
0	0h
1	1h
2	2h
3	3h
4	4h
5	5h
...	...
38	26h
39	27h
40	28h
41	29h
42	2Ah
43	2Bh
44	2Ch

Byte number within a page					
0	1	2	3		
serial number					
serial number					
serial number	internal	lock bytes	lock bytes		
Capability Container (CC)					
user memory					
dynamic lock bytes		RFUI			
CFG 0					
CFG 1					
PWD					
PACK		RFUI			

Description
Manufacturer data and static lock bytes
Capability Container
User memory pages
Dynamic lock bytes
Configuration pages

aaa-008087

Fig 5. Memory organization NTAG213

IV、Testing Parameters

limit parameter

symbol	parameter	test conditions	range	unit
Tstg	Storage Temperature Range		-55--- +140	°C
T	JTO		-55--- +140	°C
VESD	ESD voltage	-STD-883D	±±2	kVpeak
I _{maxLA-LB}	Maximum input peak current		30	mApeak

operation parameters

symbol	parameter	test conditions	minimum value	typical value	maximum value	unit
T _{jop}	JTO		-25		+85	°C
I _{LA-LB}	Input Current				30	mArms
F _{op}	Operating Frequency			13.56	14.50	MHZ
Q值	quality factor			28		

V、Product image

