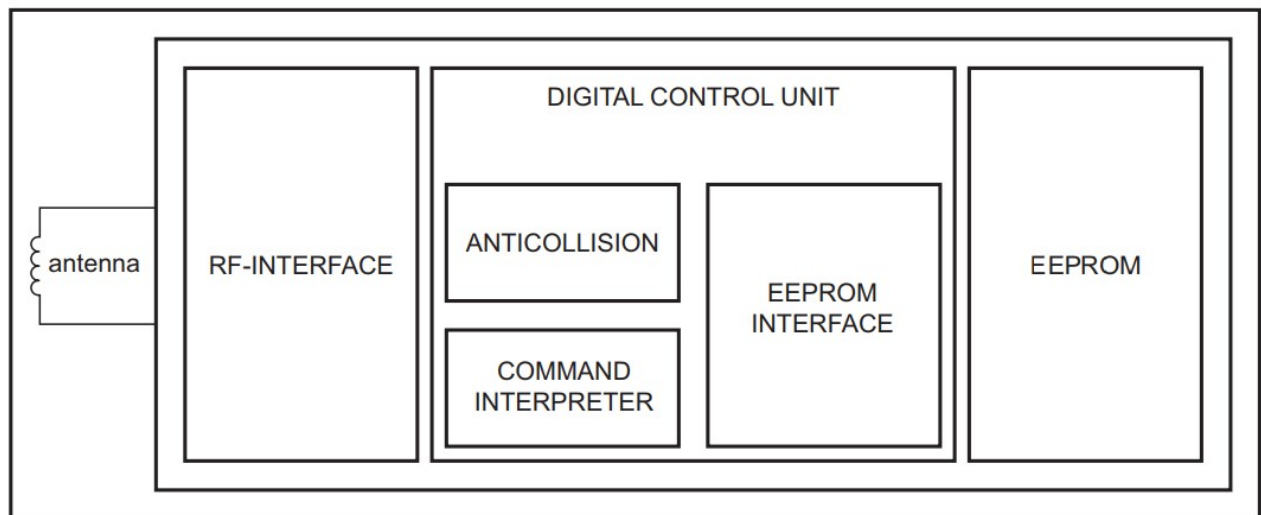


I、performance parameter

1. Chip: NTag 213
2. Operating Frequency : 13.56MHz
- 3 . Communication rate : 106Kbit/s
4. Size: 6x16.5mm , Antenna board thickness 0.13mm
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		Byte number within a page				Description
Dec	Hex	0	1	2	3	
0	0h	serial number				Manufacturer data and static lock bytes
1	1h	serial number				
2	2h	serial number	internal	lock bytes	lock bytes	Capability Container
3	3h	Capability Container (CC)				
4	4h	user memory				User memory pages
5	5h					
...	...					
38	26h					
39	27h					
40	28h	dynamic lock bytes			RFUI	Dynamic lock bytes
41	29h	CFG 0				Configuration pages
42	2Ah	CFG 1				
43	2Bh	PWD				
44	2Ch	PACK		RFUI		

aaa-008087

Fig 5. Memory organization NTAG213

IV、Testing Parameters

limit parameter

symbol	parameter	Test conditions	range	unit
Tstg	Storage Temperature Range		-55--- +140	℃
T	JT0		-55--- +140	℃
VESD	ESD voltage	-STD- 883D	± ±2	kVpeak
ImaxLA-LB	Maximum input peak current		30	mApeak

operation parameters

symbol	parameter	test conditions	minimum value	typical value	Maximum value	unit
Tjop	JT0		-25		+85	℃
ILA-LB	Input Current				30	mArms
Fop	Operating Frequency			13. 56	14. 50	MHZ
Q值	quality factor			28		

V、Product image

