

**Intelligent 64 byte EEPROM IZ2814
with write protect function**

Features

- Internally Organized Memory 64 x 8
- Two-wire Serial Interface
- Bidirectional Data Transfer Protocol
- Byte Write Modes
- 2-byte Page Write Modes
- Write Protection Memory
- Self-timed Write/Erase Cycle (20 ms max)
- Endurance: 100000 Cycles
- Data Retention: 10 years
- On-chip Charge Pump for Programming
- Answer to Reset
- Chip Size 2,1 mm x 2,2 mm
- Operation Range from -40°C to +70°C

DC Characteristics

Parametr, Units	Symbol	Min	Max	Test Condition
Supply Voltage, V	V _{cc}	4,5	5,5	
Standby Current, μA	I _{sb}		110	V _{cc} = 5,5 V V _{ih} = 5,5 V V _{il} = 0 V
Input Leakage Current Low Level, μA	I _{il}		-10	V _{il} = 0 V
Input Leakage Current High Level, μA (SCL, RST)	I _{ih}		10	V _{ih} = 5,5 V
Input Leakage Current High Level, μA (TEST)	I _{ih}		100	V _{ih} = 5,5 V
Output Leakage Current High Level, μA	I _{oh}		10	V _{oh} = 5,5 V
Input Low Level Voltage, V	V _{il}		0,8	
Input High Level Voltage, V	V _{ih}	V _{cc} - 0,8		
Output Low Level Voltage, V	V _{ol}		0,4	I _{ol} = 2,1 mA V _{cc} = 4,5 V
Clock Frequency, kHz	f _c		100	

Pin Configurations

Pad number	Coordinates, mm		Pin Name	Function
	X	Y		
01	0.130	0.362	SDA	Serial Data
02	1.938	0.357	TEST	Test input
03	1.938	0.808	SCL	Serial Clock
04	1.938	1.307	RST	Reset
05	1.938	1.833	Vcc	Supply Voltage
06	0.137	1.815	GND	Ground