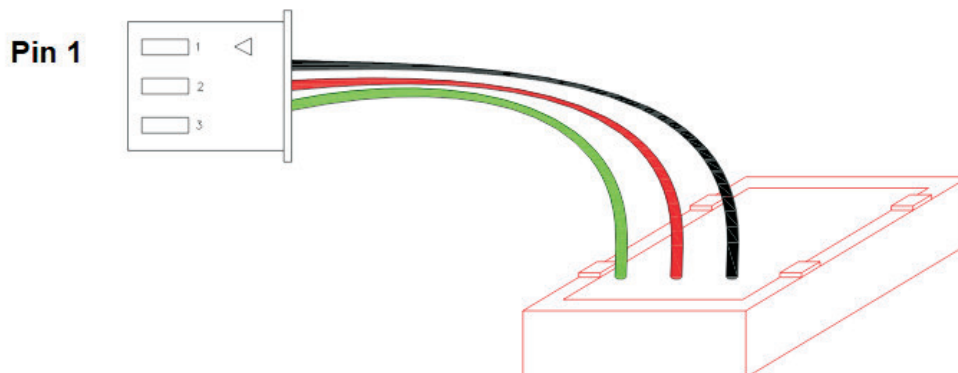


**1-CH Capacitive Touch Sensor with Wire Line and 3P Connector****General Feature**

- 1-CH capacitive touch sensor
- Self calibration
- Open drain output
- Supply voltage typ. 5V
- Low stand-by power consumption
- Optional wire length 0,1m to 1m
- 3P connector

**Application**

- Precision touch sensor
- Switch replacement
- Toys & games interface

**Module Type****Pin Description**

PIN Name	Color	Line Type	Description
GND	Black	1	Ground
VDD	Red	2	Power
OUT	Green	3	Open drain

**Absolute Maximum Rating**

Supply voltage	5.5V
Maximum voltage on any pin	VDD+0.3
Power Dissipation	100mW
Storage Temperature	-20 ~ 85°C
Operating Temperature	-10 ~ 75°C
ESD protection(H.B.M)	8000V

**Electrical Characteristics**

T<sub>A</sub> = 25°C

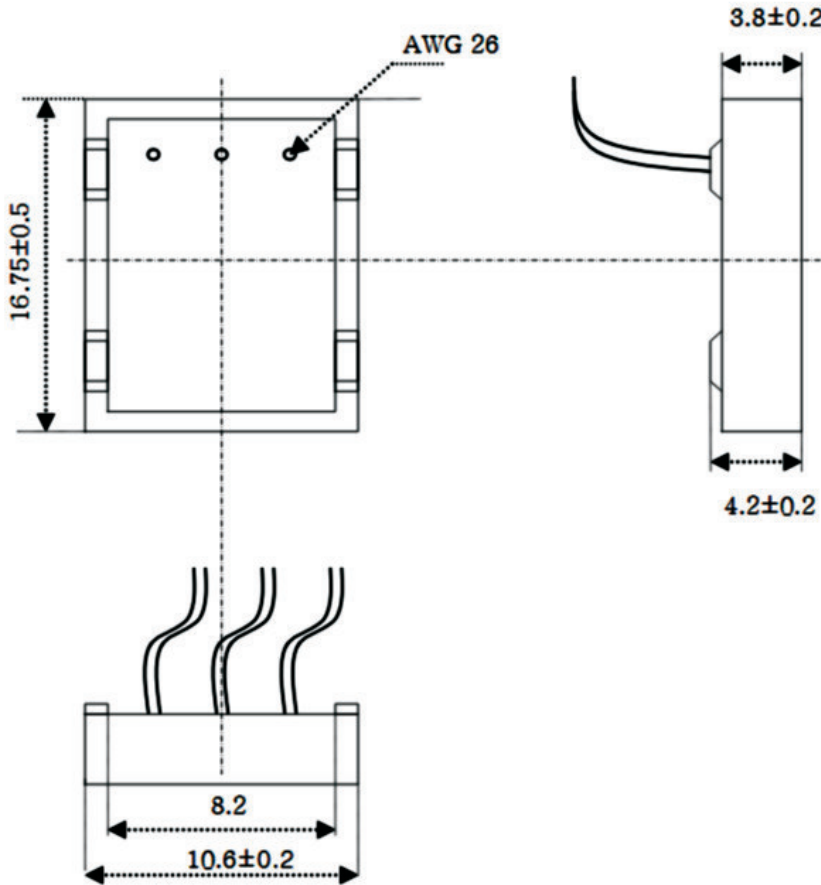
Characteristics	Symbol	Test Condition	Min	Typ	Max	Units
Supply Voltage	Vdd		4.8		5.0	V
Current consumption	I <sub>d,max</sub>	-10°C < T <sub>a</sub> < +75°C, Vdd = 5V	-	30	-	uA
Power dissipation	Pd	-10 ~ 75°C, Vdd = 5V	-	-	100	mW

Characteristics	Symbol	Test Condition	Min	Typ	Max	Units
Current consumption	I <sub>dd</sub>	VDD=5V / @Stand by	10		280	uA
	I <sub>dd</sub>	VDD=5V / @Operating	480		800	uA
Output Impedance	Z <sub>o</sub>	Output Low	-	10	-	Ohm
		Output High	-	-	-	
Output Sink Current	I <sub>o,sk</sub>	VDD=5.0V	-	4.0	-	mA
supply voltage rising time	T <sub>R_VDD</sub>		0.05	0.1	100	ms

**Sensitivity Specification ( @ VDD=5V)**

	Min	Max
Normal Sensitivity range	3T	12T
Initial Touch Sensitivity		

**Physical Dimensions** millimeters unless otherwise noted



**Wire length (A)**

standard: 500 mm, tol. +/- 10 mm

optional: 100 .. 1000 mm, step 100 mm, tol. +/- 10 mm



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