

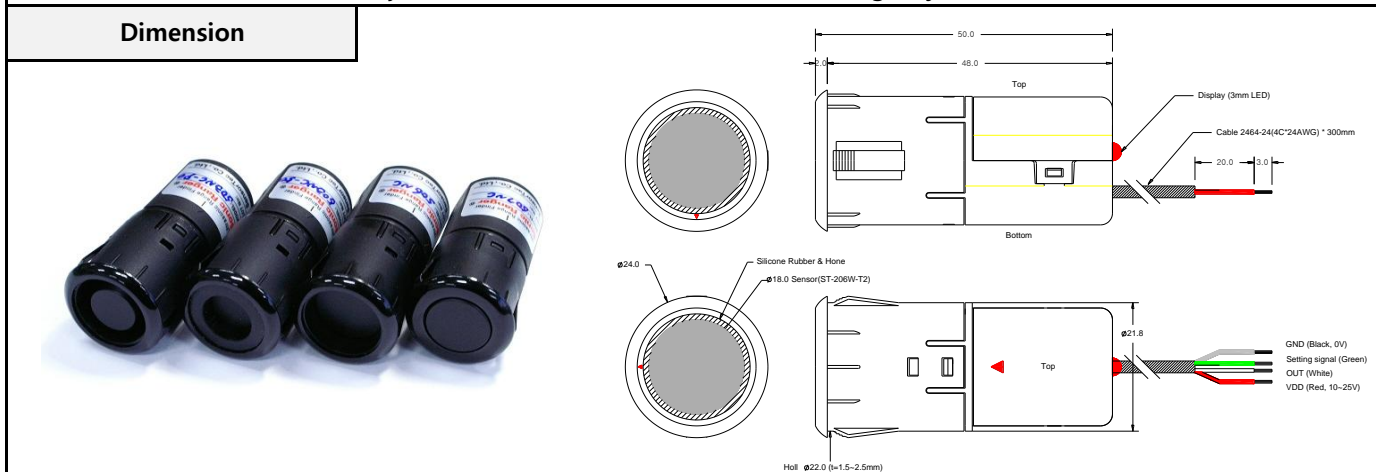
SPECIFICATIONS

ULTRASONIC SENSOR MODULE (ACTIVE)

STMA-506

Prepared	Check	Approved

Issued Date	2005-07-14	Revision Date	2008-02-22
Supplier	SENSORTEC	Customer	General Purpose
Classification	Industrial	Status	Mass Production
Applications	▷ Range-finding ▷ Measure of distance ▷ Object detection ▷ Human Body detection Industrial Control Units, Car detecting for Smart Parking Lot, Obstruction Sensor for Autonomous Mobile Robots Human Proximity Sensing for Guidance Robots, Object Detecting for Factory Automation, Level Meter, Anti-collision sensor for AGV System, Water Surface Measurement, Moving Object Counter & ETC.		



Item	Min	Typ	Max	Unit	Description
Operating Voltage	10	12	16	V	
Current Consumption			30.0	mA	
Detectable Range	0.3	-	5.0	m	STMA-P506NC3 : 8m Max
Operating Frequency	39.0	40.0	41.0	kHz	
Directivity	15	25	35	Deg	
Output	NC : Open Collector, ND : UART RS-232 TTL Level, NT : Trigger				
Operating Temperature	-25	-	70	°C	
Storage Temperature	-40	-	85	°C	
Note					