

APPLICATION NOTE

Dear. _____.

Item	TMS300
Model	
Rev.	Ver. 01
Date	2016. 7. 11

July. 11. 2016

Signature : _____.

Date : _____.

TELTRON INC.

TELTRON INC. 202 ITplex, 26-41, Gajeongbuk-ro, Yuseong-gu, Daejon, 305-343, Korea

TEL : 042-360-2020 [http : //www.teltron.com](http://www.teltron.com)

FAX : 042-360-2010 e-mail : teltron@teltron.com

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1. Application

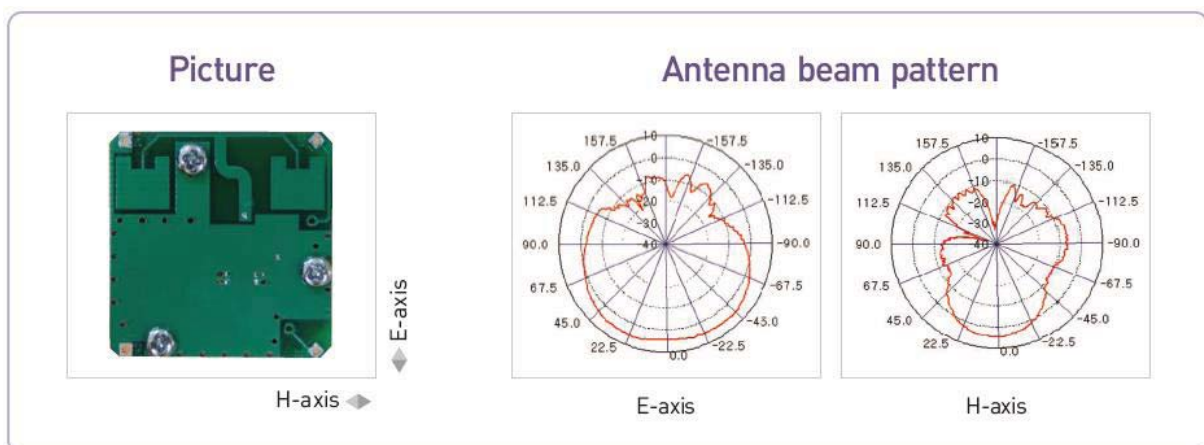
This item is used for the products and systems requiring motion detection as follows.

- 1) Intrusion detection
- 2) Automatic door control
- 3) Lighting control

2. General characteristics

TMS300 is a X-band Doppler sensor transmitter & receiver module for motion detection. As this product includes a DR(dielectric resonator) oscillator, a passive diode mixer, and a patch antenna, it provides the most reliable solution in motion detection.

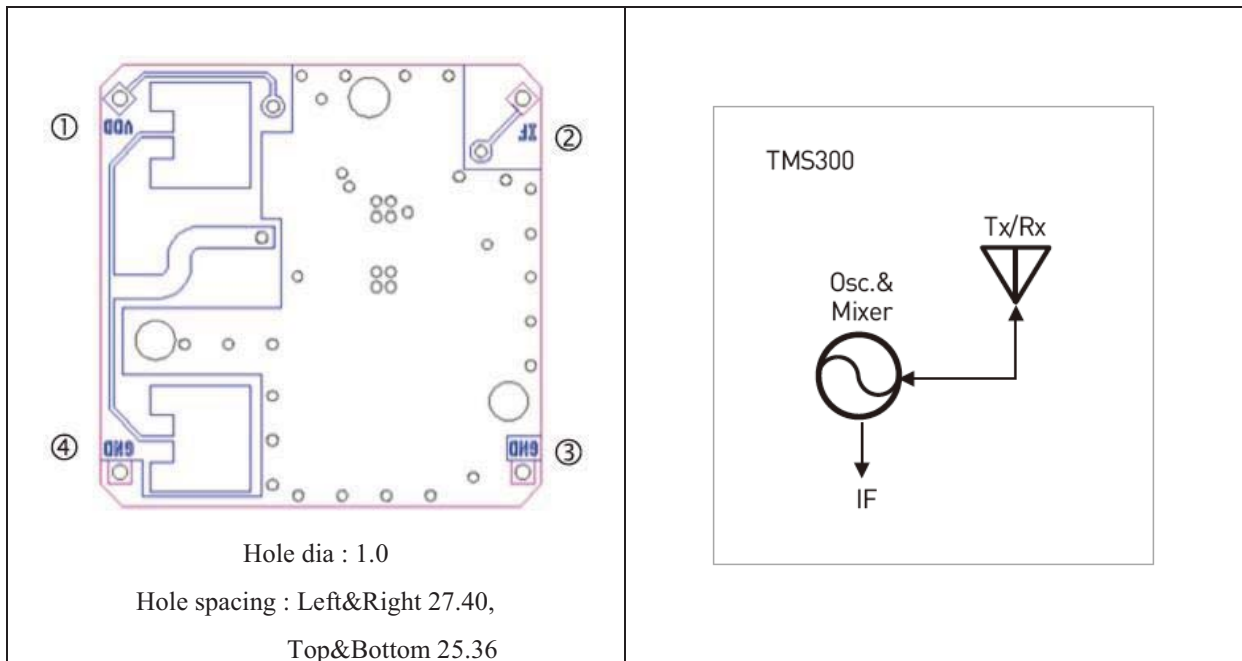
3. Electrical properties



4. Service environment

- 1) Operating temperature: -20 ~ +55 °C
- 2) Storage temperature : -30 ~ +70 °C

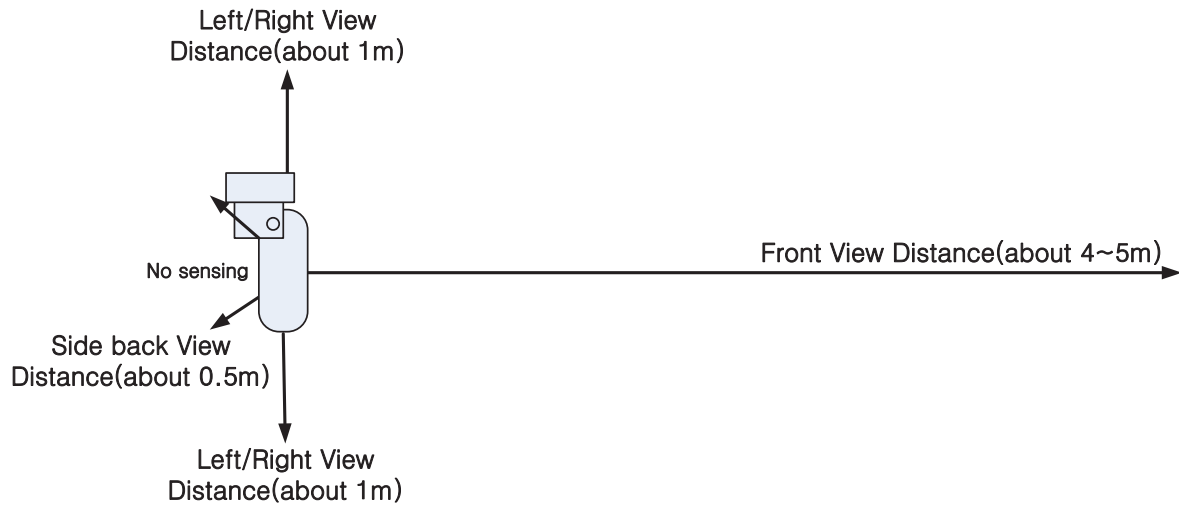
5. Physical dimension (Unit : mm)



[I/O Description]

#	Pin name	Description
1	VDD	Power supply, +3.3V
2	IF	Output
3	GND	Ground

6. Detecting distance



- The sensor can detect up to 5 meters in front of the sensor.

FCC 2-PARTS WARNING STATEMENT UNDER 15.19

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

MODIFICATION STATEMENT 15.21

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE

This module is intended for OEM integrator. The OEM integrator is still responsible for the FCC compliance requirement of the end product, which integrates this module. Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

USERS MANUAL OF THE END PRODUCT

The end user has to be informed that the FCC radio-frequency exposure guidelines for an uncontrolled environment can be satisfied. The end user has to also be informed that any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment. The FCC part 15.19 statement below has to also be available in the manual: This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

LABEL OF THE END PRODUCT

The final end product must be labeled in a visible area with the following " Contains FCC ID: 2AJWPTMS300 ". If the size of the end product is larger than 8x10cm, then the following FCC part 15.19 statement has to also be available on the label: This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

Exposure to Radio Frequency Energy

The radiated power output of the radar module is below the RF exposure limits for uncontrolled exposure. This device should be operated with a minimum distance of at least 20 cm between the antenna and a person's body.