

2. PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is the Radar/Laser Detector WT-1010 of WILLTRONICS. Co., Ltd.

Please refer to Users manual

2.2 General Specification

- Chassis Type : Plastic Cover
- List of Each OSC. Or X-Tal. Freq. (≥ 1 MHz) : X-TAL – 12.0MHz
- Chipset Brand & Part No. IC OTP : S3P8475XZZ-QZR5(SAMSUNG ELECT)
IC : BA10324AF/ROHM (ROHM) , IC : DKB4111S(DAE KWANG ELEC)
IC SMD : KIA78L05F(KEC), IC SMD: MC74HC02ADR2(MOTOROLA)
IC : 24LC02BT/SN (MICROCHIP/ATMEL) , IC : KIA7045F(KEC)
IC : MC7808CT (MOTOROLA)
- Number of Layers : Main board – 2Layers

• General

Dimensions: 65mm(W) x 118mm(L) x 32mm(H)
Weight: 148 g
Power Requirement: 12- 15V DC
Temperature Range: Operating -20 ° C to +80 ° C
Storage -40 ° C to +100 ° C

• Laser Detector

Receiver Type Pulse Laser Signal Receiver
Sensor Front End Convex Condenser Lens
Detector Type Pulse Width Discriminator
Receiver Bandwidth 30 MHz
Spectral Response 800- 1100 nm

• Radar Detector

Receiver Type Double Conversion Superheterodyne
Detector Type Scanning Frequency Discriminator
Antenna Type Linear Polarization
Frequency of Operation 10.525 GHz $\pm$ 50 MHz (X Band)
24.150 GHz $\pm$ 100 MHz (K Band)
34.700 GHz $\pm$ 1300 MHz (Ka Band)