

Loopless-Trigger-Radar Specifications

Specification history

File	date	company/name
LTRspecsV11	06-03-2006	Gatsometer BV

General description

The general purpose of this Radar system is to detect vehicles. Both speed and distance of the vehicle are measured. Also a trigger output signal is present for triggering a digital camera to get a photo of the vehicle.

Absolute Maximum Ratings:

Supply voltage:	-16V...+16V (security against polarity change)
Input voltage at RS422 inputs A and B:	-7V...+12V
Output current at RS422 outputs:	short circuit proofed
Operating temperature:	-20...+70°C
Storage temperature:	-30...+100°C
Precautions have to be taken against high humidity or water.	
All electrical interfaces are connected to 24V/600W trans.-supp.-diodes.	
The supply voltage is secured against false polarity.	

Electrical Characteristics:

Supply voltage:	9...16V
Supply current:	170mA (typ.)
Transmit frequency:	24.000...24.250GHz
Transmit power:	20dBm (EIRP)
Antenna pattern:	horizontal: 3.5° (+/-1.75°) (typically) vertical: 15° (+/-7.5°) (typically)

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.