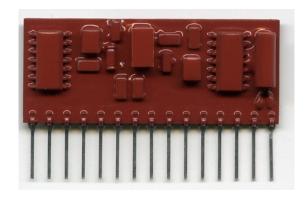


UTR2

Ultrasonic Transmitter / Receiver



General description

The UTR2 is an hybrid circuit that allows to realize an ultrasonic detector adding few external components.

Detection is based on amplitude variation of received ultrasonic signal (40KHz) due to the movement of an object.

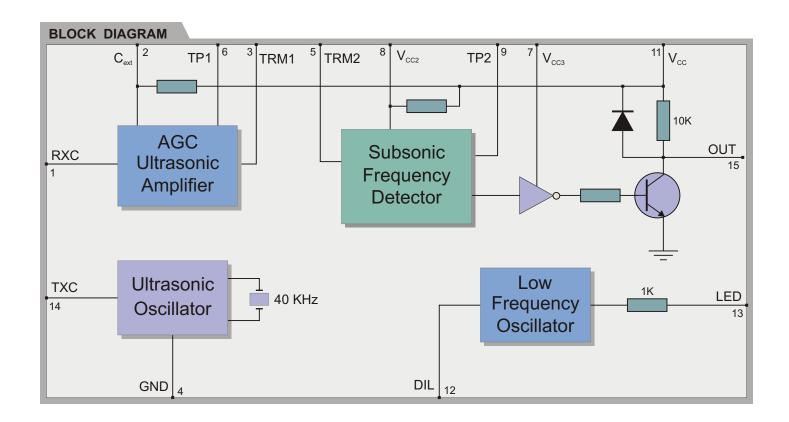
It shows stable electric characteristics thanks to the "Thick film hybrid" technology.

Features

- AC Input Amplifier with Automatic Gain Control
- Output Relay Driving with Ricirculation Diode

Applications

- Car Alarm systems
- Residential and commercial security systems
- Automatic doors opening systems



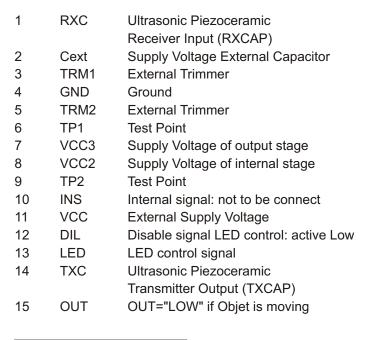
Electrical Characteristics

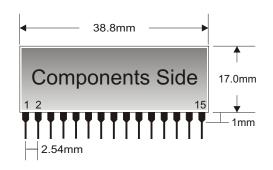
Ta = 25°C unless otherwise specified

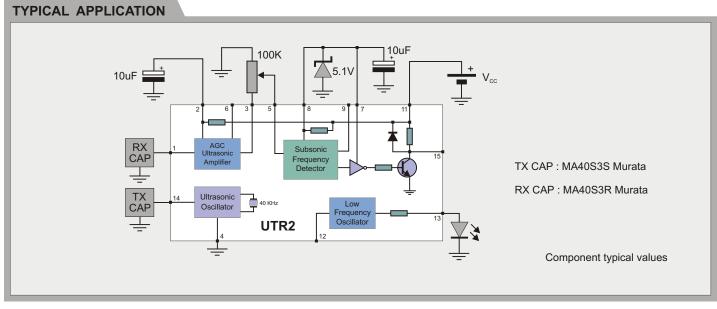
	CHARACTERISTICS	MIN	TYP	MAX	UNIT
V_{cc}	Supply Voltage	9	12	16	VDC
Is	Supply Current		15		mA
G	Utrasonic Amplifier Gain		50		dB
F_{υ}	Ultrasonic Frequency	38	40	42	KHz
I_{\circ}	Out2 Sink Current			20	mA
T_{OP}	Operating Temperature Range	-20		+80	°C

Pin Description

Mechanical Dimensions









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