PROTON

JSC “Proton”

Phototriac chip OPTOTRIAC 130-01

Description

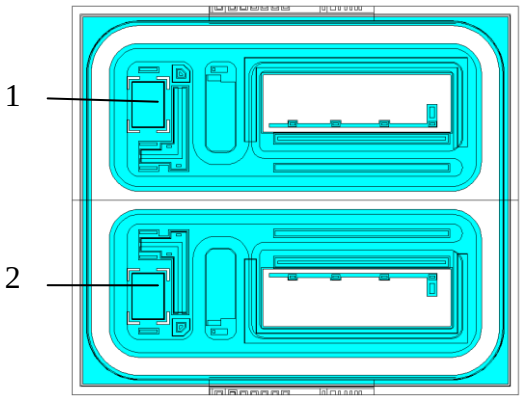
OPTOTRIAC 130-01 is designed to be used as phototriac receiver in phototriacs to drive the power triacs and in optoelectronic relays` circuits to switch AC-circuits of consumer-oriented industrial automation.

Features

- Chip size 1.5 x 1.3 mm
- Chip thickness 0.36 ± 0.02 mm
- Metallization: top – AlSi, bottom – Si

Absolute maximum ratings

Storage Temperature	-65°C to 150°C
Operating Junction Temperature	-55°C to 125°C
Output Terminal Voltage	600 V



1 – Terminal 1
2 – Terminal 2

Electrical characteristics (T = 25 °C)

Parameter	Symbol	Min	Typ	Max	Units	Condition
Peak On-State Voltage	V_{TM}	-	1.6	2.0	V	I_{TM}=±100 mA Note 1
Peak Off-State Current	I_{DRM}	-	-	1.0	µA	V_{DRM}=±600V Note 2
Critical Rate of Rise Off-State Voltage	dv/dt	-	-	500	V/µs	Note 3

Notes:
1 – Light source with peak wavelength λ = 890 ±50 nm that provides surface irradiance E_e = 20 mW/cm^2 is used.
2 – No light.
3 – Measured in the packaged device.