

Phototriac chip OPTOTRIAC 269-01

Description

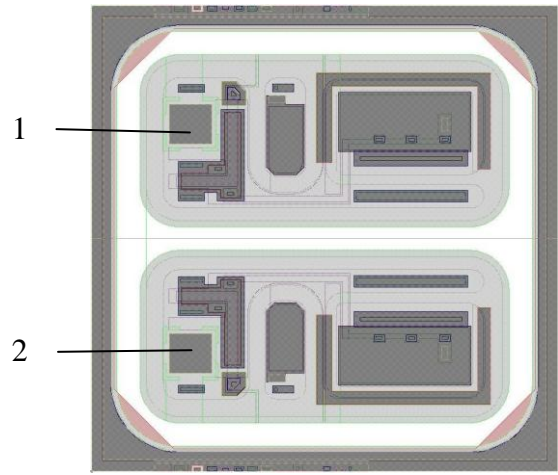
Zero voltage crossing-phototriac chip OPTOTRIAC 269-01 is designed to be used as phototriac receiver to drive power triacs in phototriacs and to switch AC-circuits in optoelectronic relays` circuits of consumer-oriented industrial automation.

Features

- Chip size 1.2 x 1.2 mm
- Chip thickness 0.30 ± 0.03 mm
- Metallization: top – AlSi, bottom – Si

Absolute maximum ratings

Storage Temperature, T_j	-65°C to 150°C
Operating Junction Temperature, T_{opr}	-55°C to 125°C
Off-State Output Terminal Voltage, V_{DRM}	600 V
On-State RMS Current, $I_{T(RMS)}$	100 mA
Peak Repetitive Surge Current, I_{TSM} , (tp= 1 ms, F=120Hz)	1.0 A



1 – Terminal 1
2 – Terminal 2

Electrical characteristics (T = 25 °C)

Parameter	Symbol	Min	Typ	Max	Units	Conditions
Peak On-State Voltage	V_{TM}	-	1.8	3.0	V	$I_{TM} = 100$ mA
Inhibit Voltage	V_{INH}	-	12	20	V	
Peak Off-State Current	I_{DRM1}	-	-	1	nA	$V_{DRM} = 600$ V
Holding Current	I_H	-	-	200	μ A	
Peak Off-State Current while Lighting	I_{DRM2}	-	0.2	2.0	mA	$V_{DRM} = 600$ V
Critical Rate of Rise Off-State Voltage	dv/dt	200	-	-	V/ μ s	$V_{in} = 600$ V