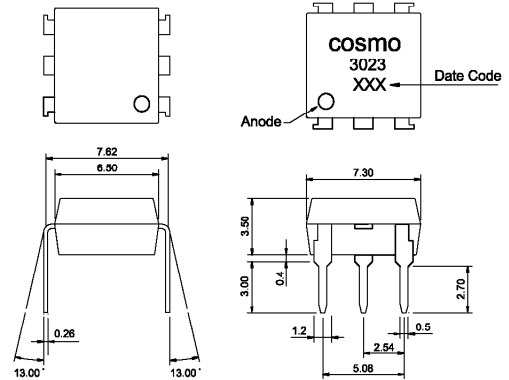


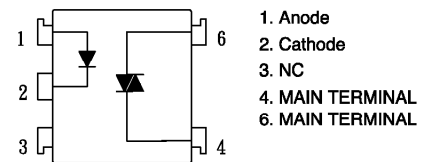
### For 115/240 Vac (rms) Application:

1. Solenoid/Valve Controls
2. Lighting Controls
3. Static Power Switches
4. Ac Motor Drives
5. Temperature Controls
6. E.M. Contactors
7. Ac Motor Starters
8. Solid State Relays
9. Available package : DIP/ SMD/ H.

### Outside Dimension : Unit (mm)



### Schematic : Top View



1. Anode
2. Cathode
3. NC
4. MAIN TERMINAL
6. MAIN TERMINAL

### Absolute Maximum Ratings

(Ta=25°C)

Parameter	Symbol	Rating	Unit
Input	Forward current	IF	50 mA
	Peak forward current	IFM	1 A
	Reverse voltage	VR	6 V
	Power dissipation	PD	70 mW
Output	Off-State Output Terminal voltage	VDRM	400 Vpeak
	Peak Repetitive Surget Current	ITSM	1 A
	Power dissipation	PD	300 mW
Total power dissipation	Ptot	330 mW	
Isolation voltage 1 minute	Viso	5000	Vrms
Operating temperature	Topr	-40 to +80	°C
Storage temperature	Tstg	-40 to +125	°C
Soldering temperature 10 seconds	Tsol	260	°C

### Electro-optical Characteristics

(Ta=25°C)

Parameter	Symbol	Conditions	MIN.	TYP.	MAX.	Unit
Input	Forward voltage	IF =10mA	—	1.2	1.4	V
	Peak forward voltage	IFM =0.5A	—	—	3.5	V
	Reverse Leakage Current	VR =4V	—	—	10	uA
Output	Peak Blocking Current	VDRM =Rated	—	—	10 <sup>-7</sup>	A
	ON-State Voltage	ITM =100mA	—	1.6	3	V
Transfer characteristics	Holding Current		—	100	—	uA
	Critical rate of rise of OFF-state voltage	VDRM = (1/√2) *Rated	600	—	—	V/uS
	Isolation resistance	DC500V	5x10 <sup>10</sup>	10 <sup>11</sup>	—	ohm
	Minimum trigger current	Main Terminal Voltage=3V	—	—	5	mA
	Turn-on time	VD =6v,RL =100 ohm,IF =20mA	—	—	100	uS

