

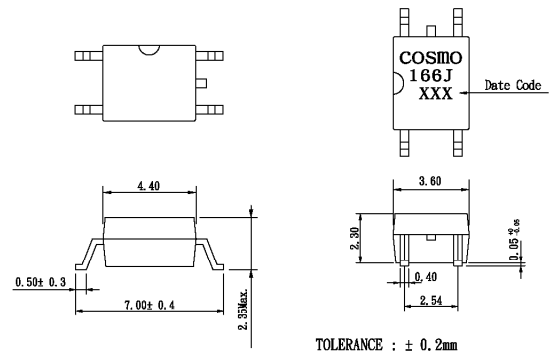
**Features**

1. Opaque type, mini-flat package.
2. Subminiature type  
(The volume is smaller than that of our conventional DIP type by as far as 30%)
3. Isolation voltage between input and output (Viso:2500Vrms).

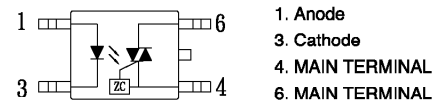
**For 115/240 Vac (rms) Application:**

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 Staters.
8. Solid State Relays.
9. Programmable controllers.

**Outside Dimension:Unit (mm)**



**Schematic:Top View**



**Absolute Maximum Ratings**

(Ta=25°C)

Parameter	Symbol	Rating	Unit
Input	Forward current	IF	50 mA
	Peak forward current (100us)	IFM	1 A
	Reverse voltage	VR	6 V
	Power dissipation	Pd	70 mW
Output	Off-State Output Terminal voltage	VDRM	600 Vpeak
	On-State R. M. S. Current	IT(RMS)	70 mA
	Peak Repetitive Surget Current (PW=10ms, DC 10%)	ITSM	1 A
	Power dissipation	Pd	150 mW
Total power dissipation	Ptot	200 mW	
Isolation voltage 1 minute	Viso	2500 Vrms	
Operating temperature	Topr	-40 to +100 °C	
Storage temperature	Tstg	-50 to +125 °C	
Soldering temperature 10 second	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=5V	—	—	10	μA
Output	Peak Blocking Current	VDRM=600V	—	—	1.0	μA
	ON-State Voltage	ITM=70mA	—	1.6	2.8	V
Transfer characteristics	Holding Current		—	1.0	—	mA
	Critical rate of rise of OFF-state voltage	VDRM = (1/√2) *Rated	600	—	—	V/μS
	Isolation resistance	DC500V	5x10 <sup>10</sup>	10 <sup>11</sup>	—	ohm
	Minimum trigger current	Main Terminal Voltage=3V	—	5	10	mA
	Inhibit Voltage (MT2 Voltage above which device not trigger.)	IF=Rated IF	—	—	50	V
	Leakage in Inhibited State	IF=Rated IF, VT=Rated VDRM	—	—	600	μA

