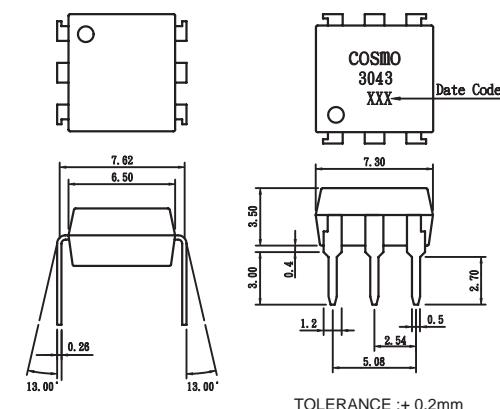
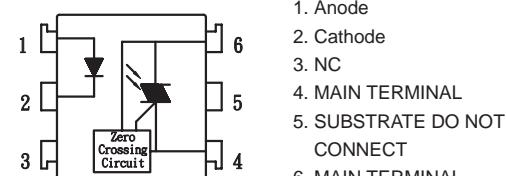


For 115/240 Vac (rms) Application:

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 Stators.
8. Solid State Relays.

Outside Dimension:Unit (mm)**Schematic:Top View****Absolute Maximum Ratings**

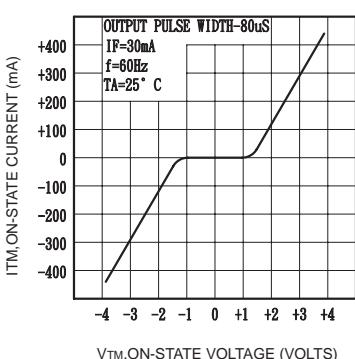
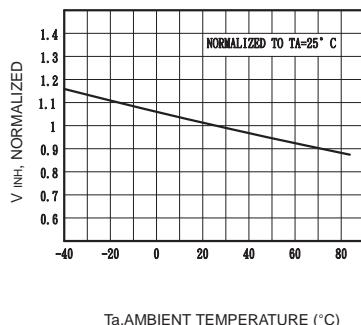
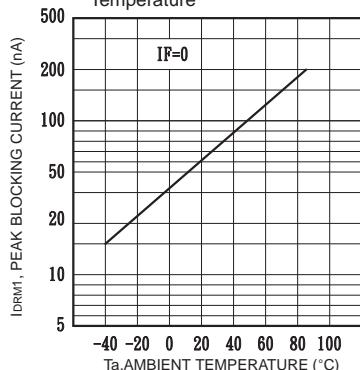
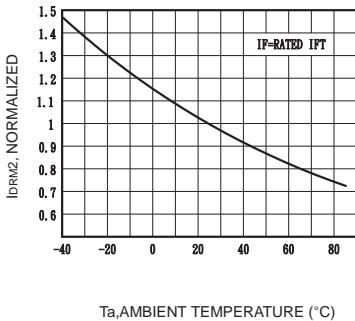
(Ta=25°C)

Parameter		Symbol	Rating	Unit
Input	Forward current	I _F	50	mA
	Peak forward current	I _{FM}	1	A
	Reverse voltage	V _R	6	V
	Power dissipation	P _D	70	mW
Output	Off-State Output Terminal voltage	V _{DRM}	400	Vpeak
	Peak Repetitive Surge Current	I _{TSM}	6	A
	Power dissipation	P _D	300	mW
	Total power dissipation	P _{tot}	330	mW
Isolation voltage 1 minute		V _{iso}	5000	Vrms
Operating temperature		T _{opr}	-40 to +80	°C
Storage temperature		T _{tsg}	-40 to +125	°C
Soldering temperature 10 seconds		T _{sol}	260	°C

Electro-optical Characteristics

(Ta=25°C)

Parameter		Symbol	Conditions	MIN.	TYP.	MAX.	Unit
Input	Forward voltage	V _F	I _F =10mA		1.2	1.5	V
	Reverse Leakage Current	I _R	V _R =4V			10	µA
Output	Peak Blocking Current	I _{DRM}	V _{DRM} =Rated		60	500	nA
	ON-State Voltage	V _{TM}	I _{TM} =100mA		1.8	3	V
	Critical rate of rise of OFF-state voltage	dV/dt		600			V/µS
Transfer characteristics	Holding Current	I _H			100		µA
	Inhibit Voltage (MT1-MT2 Voltage above which device not trigger.)	V _{INH}	I _F =5mA		5	20	V
	Leakage in Inhibited State	I _{DRM2}	I _F =Rated I _{FT} , Rated V _{DRM} , Off State			500	µA
	Isolation resistance	R _{iso}	DC500V	5x10 ¹⁰	10 ¹¹		ohm
	Minimum trigger current	I _{FT}	Main Terminal Voltage=3V			5	mA

Fig.1 On-State Characteristics

Fig.2 Inhibit Voltage versus Temperature

Fig.3 Leakage with LED Off versus Temperature

Fig.4 IDR_{M2},Leakage in Inhibit State versus Temperature

Fig.5 Trigger Current versus Temperature
