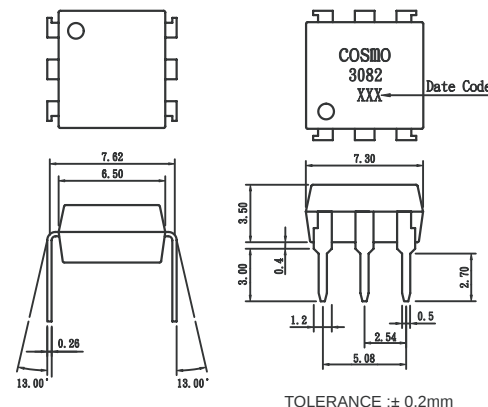


For 115/240 Vac (rms) Application:

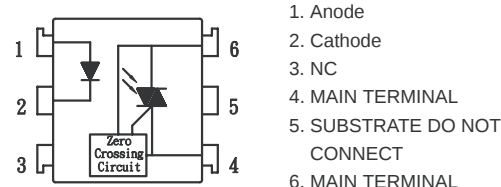
1. Solenoid/Valve Controls
2. Lighting Controls
3. Static Power Switches
4. Ac Motor Drives
5. Temperature Controls
6. E.M. Contactors
7. Ac Motor Starters
8. Solid State Relays
9. Available package : DIP/ SMD/ H.

(For Package Dimension please refer to page 82)

Outside Dimension : Unit (mm)



Schematic : Top View



Absolute Maximum Ratings

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	800	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

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	UA
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/uS
Transfer characteristics	Holding Current	I _H		—	100	—	uA
	Inhibit Voltage (MT1-MT2 Voltage above which device not trigger.)	V _{INH}	I _F =10mA	—	5	20	V
	Leakage in Inhibited State	I _{DRM2}	I _F =Rated I _{FT} , Rated V _{DRM} , Off State	—	—	500	uA
	Isolation resistance	R _{iso}	DC500V	5x10 ¹⁰	10 ¹¹	—	ohm
	Minimum trigger current	I _{FT}	Main Terminal Voltage=3V	—	—	10	mA

Fig.1 On-State Characteristics

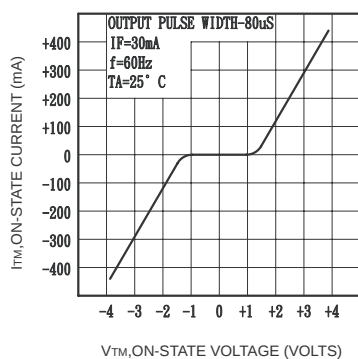


Fig.2 Inhibit Voltage versus Temperature

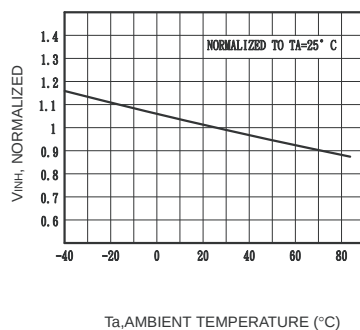


Fig.3 Leakage with LED Off versus Temperature

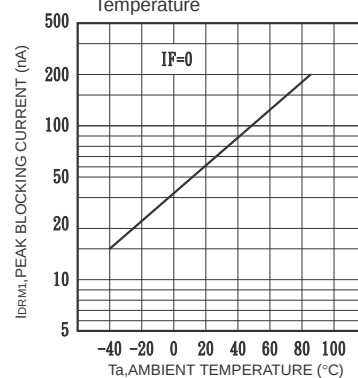


Fig.4 I_{DRM2} ,Leakage in Inhibit State versus Temperature

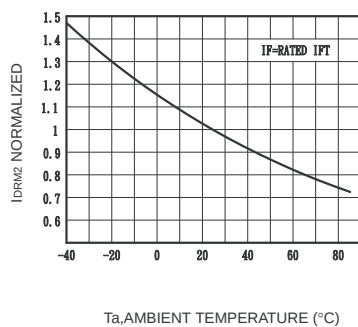


Fig.5 Trigger Current versus Temperature

