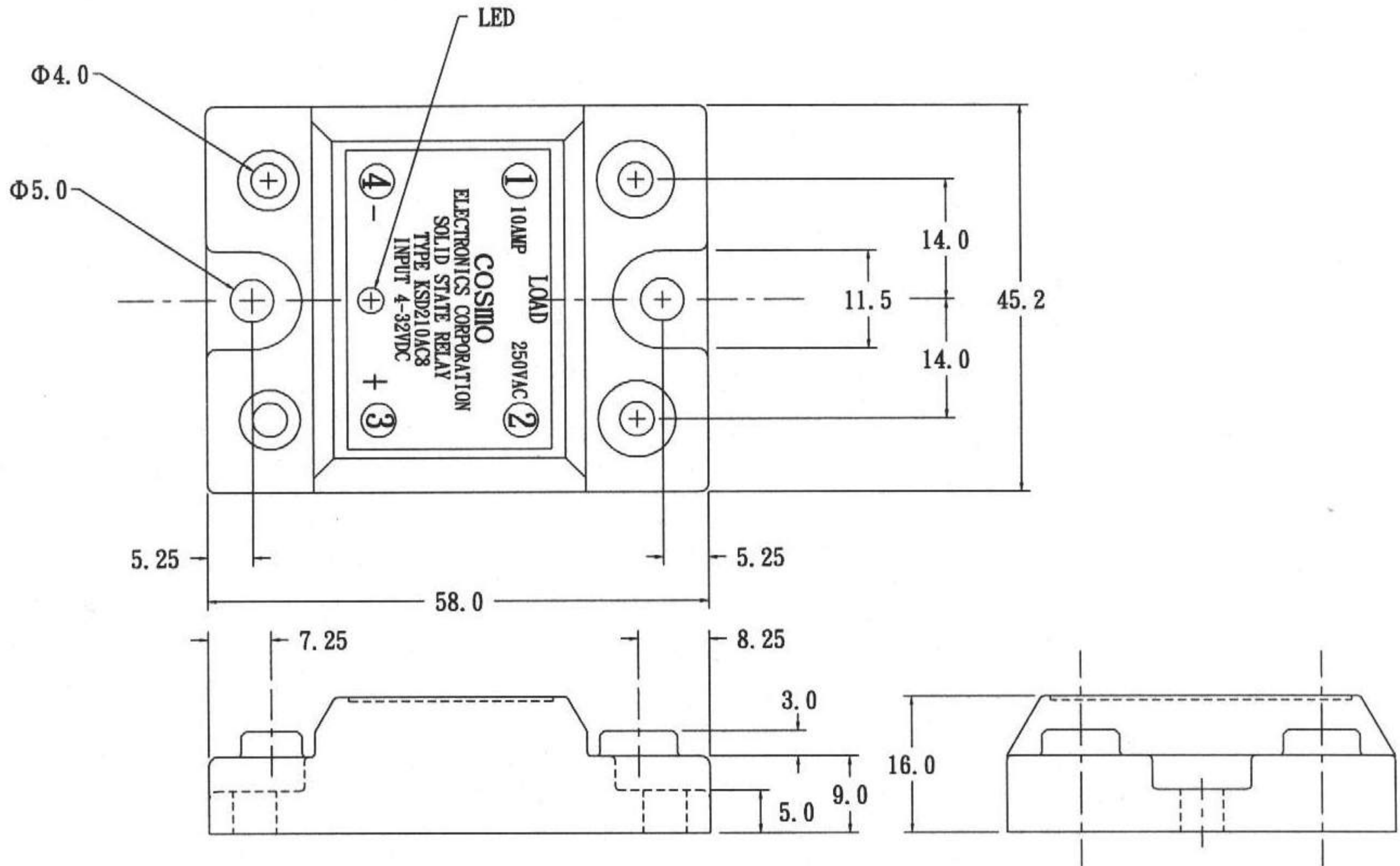


PRODUCT SPECIFICATION

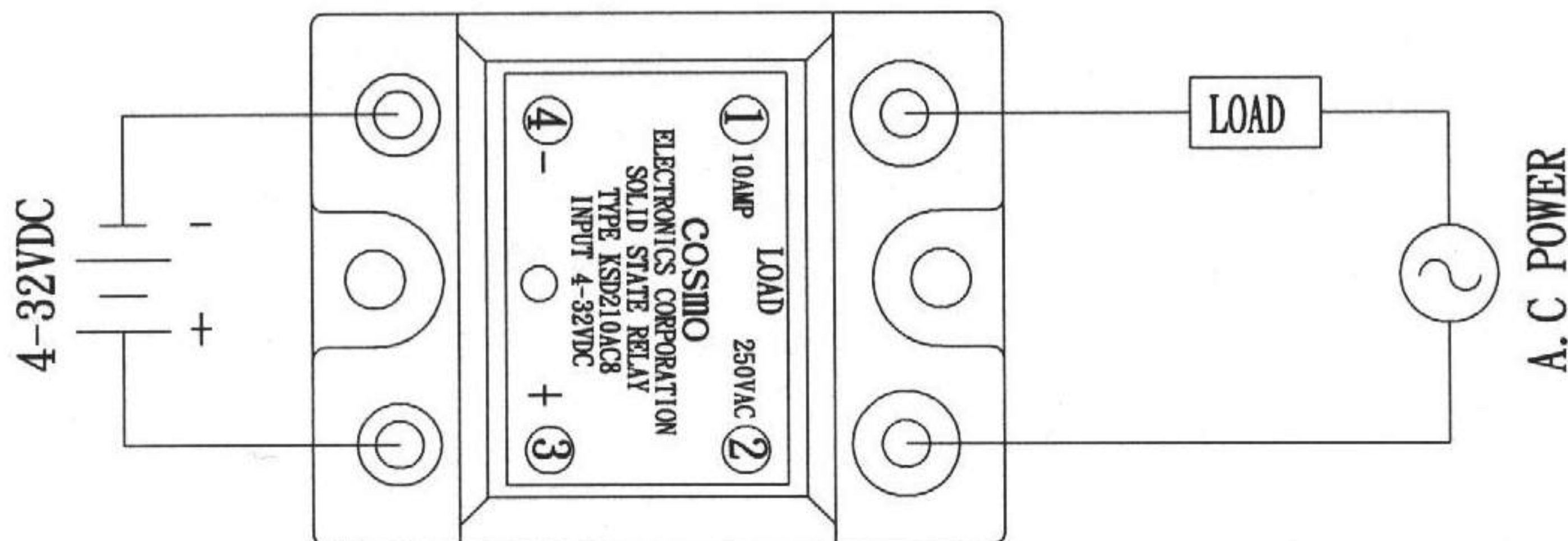
DATE: 03/21/00'

COSMO ELECTRONICS CORPORATION	SOLID STATE RELAY: KSD210AC8	NO. 58082210	REV. 3
		SHEET 1 OF 2	

1. OUTSIDE DIMENSION : UNIT (mm)



2. SCHEMATIC : TOP VIEW



ISSUE

Michael Chen

03-21-00

CHECK

Dean Yu.

03-21-00

APPROVED

Stan Phy 3-21-00

PRODUCT SPECIFICATION

DATE: 03/21/00'

COSMO ELECTRONICS CORPORATION	SOLID STATE RELAY: KSD210AC8	NO. 58082210	REV.
		SHEET 2 OF 2	3

3. Absolute Maximum Ratings

(Ta=25°C)

Parameter	Symbol	Rating	Unit
Input	Input signal voltage	V _{IN}	4-32
	Drop-out voltage	V _{do}	1
Output	RMS on-state current	I _T	10
	Peak one cycle surge current (8.3ms)	I _{surge}	100
	Repetitive peak-off state voltage	V _{DRM}	600
	Operating frequency	f	47-70
	Critical rate of rise of on-state current	di/dt	50
	Load supply voltage	V _{out}	250
	Isolation voltage input to output	V _{iso}	4000
Operating temperature	T _{opr}	-30~100	
Storage temperature	T _{stg}	-30~125	
Soldering temperature 10sec	T _{sol}	300	

4. Electro-optical Characteristics

(Ta=25°C)

Parameter	Symbol	Conditions	MIN	TYP	MAX	Unit
Input	Pick-up voltage	V _{pu}			4	VDC
	Input current	I _{in}	I _{in} =1Arms V _{in} =4~32V	5	12	mA
Output	On-state voltage	V _T	I _T =1Arms		1.5	Vrms
	Operating current	I _{op}	V _{out} =240Vrms	50		mArms
	Leakage current	I _{leak}	V _{out} =240Vrms		3.5	7
	Critical rate of rise of off-state voltage	dv/dt		50	200	V/us
	Zero-cross voltage	V _{ox}	I _{in} =7mA			35
	Load Voltage Rating	V _{out}	I _T =50mArms MIN	50		280
	Minimum trigger current	I _{FT}	V _{DRM} =600V			10
Isolation resistance input to output	R _{ISO}	DC500V	10			
Turn-on time	T _{on}	60Hz AC			8.3	
Turn-off time	T _{off}	60Hz AC			8.3	
Thermal resistance (between junction and case)	R _{th} (j-c)			1.3		

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