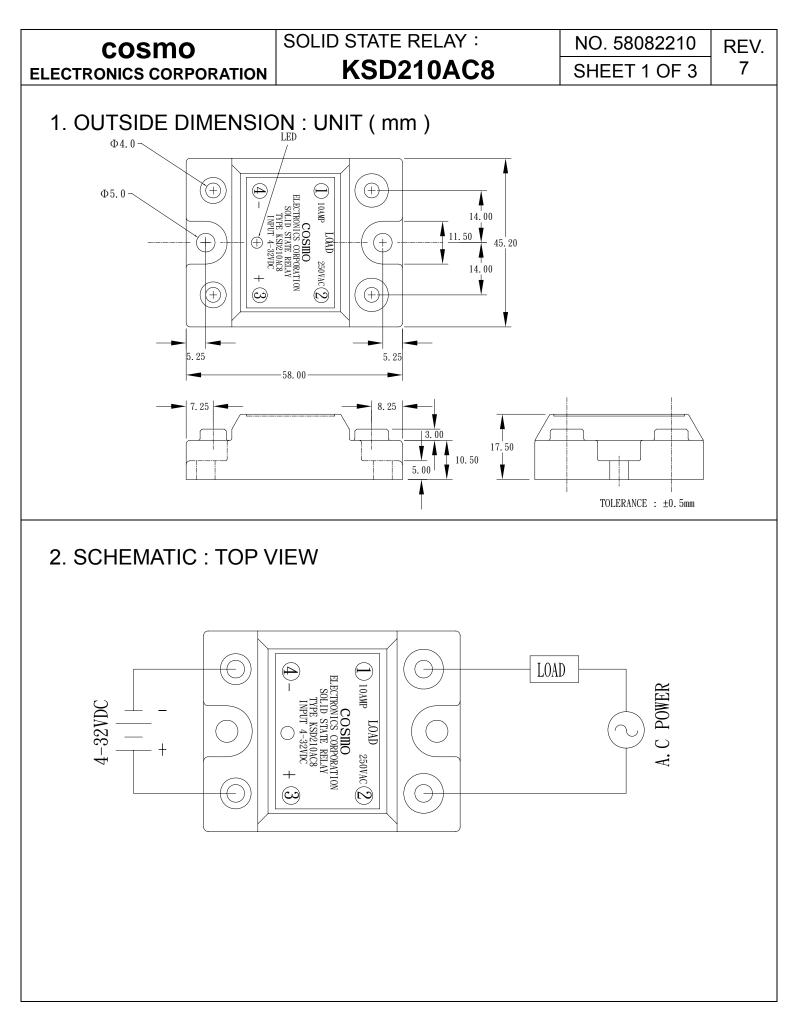
PRODUCT SPECIFICATION



PRODUCT SPECIFICATION

cosmo ^{so}		SOLID STATE	OLID STATE RELAY :			D. 580	8221	0 REV
ELECTRONICS CORPORATION		KSD	KSD210AC8			SHEET 2 OI		3 7
3.Abs	olute Maximum Ra	atings		-				(Ta=25℃
	Parameter		Symbol			Rating		Unit
Input	Input signal voltage			V _{IN}	4~32			VDC
	Drop-out voltage			V_{do}	1			VDC
Output	RMS on-state current			Ι _Τ	10			Arms
	Peak one cycle surge current (8.3ms)			I _{surge}		100		А
	Repetitive peak-off state voltage			V _{DRM}		600		V
	Operating frequency			f	f			Hz
	Critical rate of rise of on-state current			di/dt		50		A/us
	Load supply voltage			V _{out}	250			Vrms AC
Isolation voltage input to output				V _{iso}		4000		Vrms
	Operating temperature			T _{opr}		-30~100		°C
	Storage temperature			T _{stg}		-30~125		°C
	Soldering temperature	10 sec	T _{sol}			300		°C
4.Ele	ctrical Characterist	ics				1		(Ta=25 ℃
Parameter		Symbol	Cor	Conditions		TYP	MAX	Unit
Input	Pick-up voltage	V _{pu}	It=1Arms				4	VDC
	Input current	l _{in}	Vin=4~32V		5		12	mA
Output	On-state voltage	V _T	I _T =	1Arms			1.5	Vrms
	Operating current	I _{op}	Vout=240vrms		50			mArms
	Leakage current	I _{leak}	Vout=240vrms			3.5	7	mArms
	Critical rate of rise of	dv/dt			50	200		V/us
	off-state voltage							
	Zero-cross voltage	V _{ox}				YES		
	Load Voltage Rating	V _{out}	I _T =50mArms MIN		50		280	VAC
Minimum trigger current		I _{FT}	V _{DRM} =600V				10	mA
Isolation resistance input to output		t R _{ISO}	DC500V		10			GΩ
Turn-on time		T _{on}	60Hz AC				8.3	mS
Turn-off time		T _{off}	60Hz AC				8.3	mS
Thermal resistance		R _{th}						
(between junction and case)		(j-c)l				1.3		°C/W

PRODUCT SPECIFICATION

COSMO ELECTRONICS CORPORATION

SOLID STATE RELAY : KSD210AC8

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