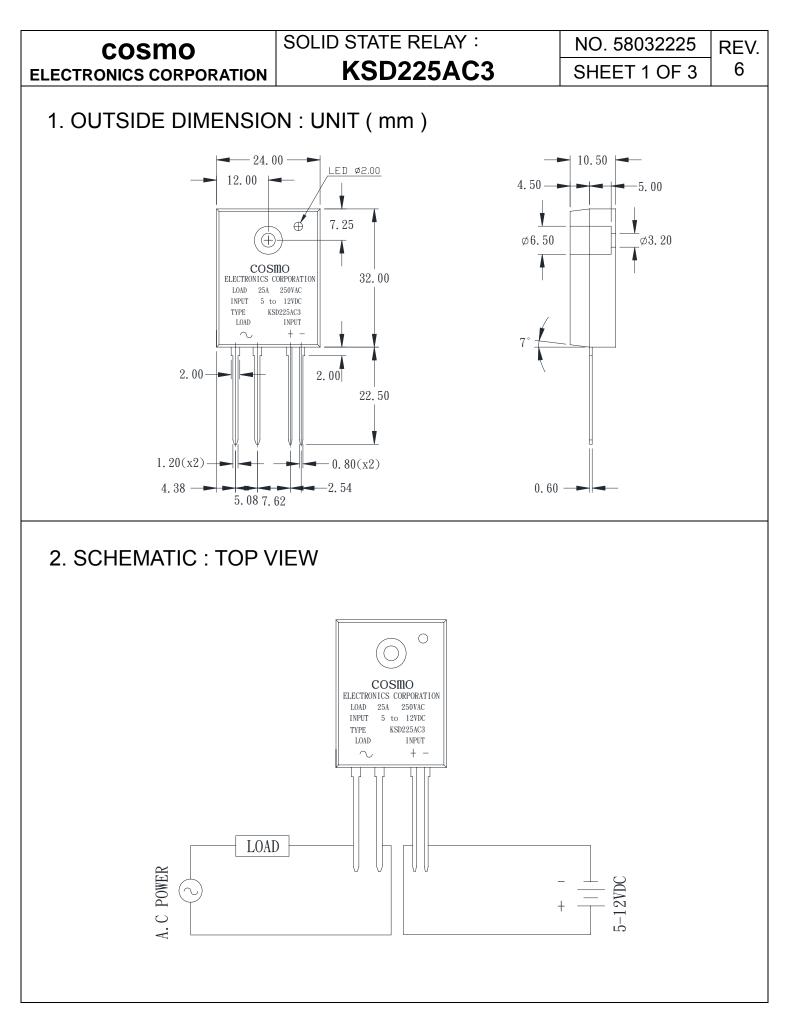
PRODUCT SPECIFICATION



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COSMO ECTRONICS CORPORATION		SOLID STATE RELAY :				NO. 58032225			R
		KSD225AC3				SHEET 2 C)F 3	
3.Absol	ute Maximum Ra	atings				T		(Ta=2	5℃
Parameter			Symbol		Rating		Unit		
Input	Input signal voltage			V _{IN}		5-12		VDC	
	Drop-out voltage			V _{do}		1		VDC	
Output	RMS on-state current			Ι _Τ		25		Arms	
	Peak one cycle surge current			I _{surge}		250		А	
	Repetitive peak-off state voltage			V _{DRM}		600		V	
	Operating frequency			f		47~70		Hz	
	Critical rate of rise of on-state current			C	di/dt	50		A/us	
	Load supply voltage		١	V _{out}	250		Vrms AC		
Isolation voltage input to output				\ 	V _{iso}	4000		Vrms	
Operating temperature				-	T _{opr}	-30~	-30~100		
Storage temperature				-	T _{stg}	-30~125		°C	
Soldering temperature 10 sec				T _{sol}		260		°C	
4.Electr	rical Characterist	ics				-		(Ta=2	5℃
Parameter		Symbol	Condition	S	MIN	TYP	MAX	Ur	nit
Input	Pick-up voltage	V _{pu}	It=1Arms				4	VD	С
	Input current	l _{in}	Vin=5~12V		5		35	m	A
Output	On-state voltage	V _T	I _⊤ =1Arms				1.5	Vrn	ns
	Operating current	I _{op}	Vout=240vrms		50			mAr	ms
	Leakage current	I _{leak}	Vout=240vrms				7	mAr	ms
	Critical rate of rise of	dv/dt			50	200		V/u	sı
	off-state voltage								
	Zero-cross voltage	V _{ox}				YES			
	Load Voltage Rating	V _{out}	I⊤=50mArms MIN		50		280	VA	C
Minimum trigger current		I _{FT}	V _{DRM} =600V				25	m	A
Isolation resistance input to output		R _{ISO}	DC500V		10			G	כ
Turn-on time		T _{on}	60Hz AC				8.3	m	S
Turn-off time		T _{off}	60Hz AC			<u> </u>	8.3	m	S
Thermal re	sistance	R _{th}							
(between junction and case)		(j-c)l				1.3		°C/	W

PRODUCT SPECIFICATION

COSMO ELECTRONICS CORPORATION

SOLID STATE RELAY : KSD225AC3

NO. 58032225 SHEET 3 OF 3

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