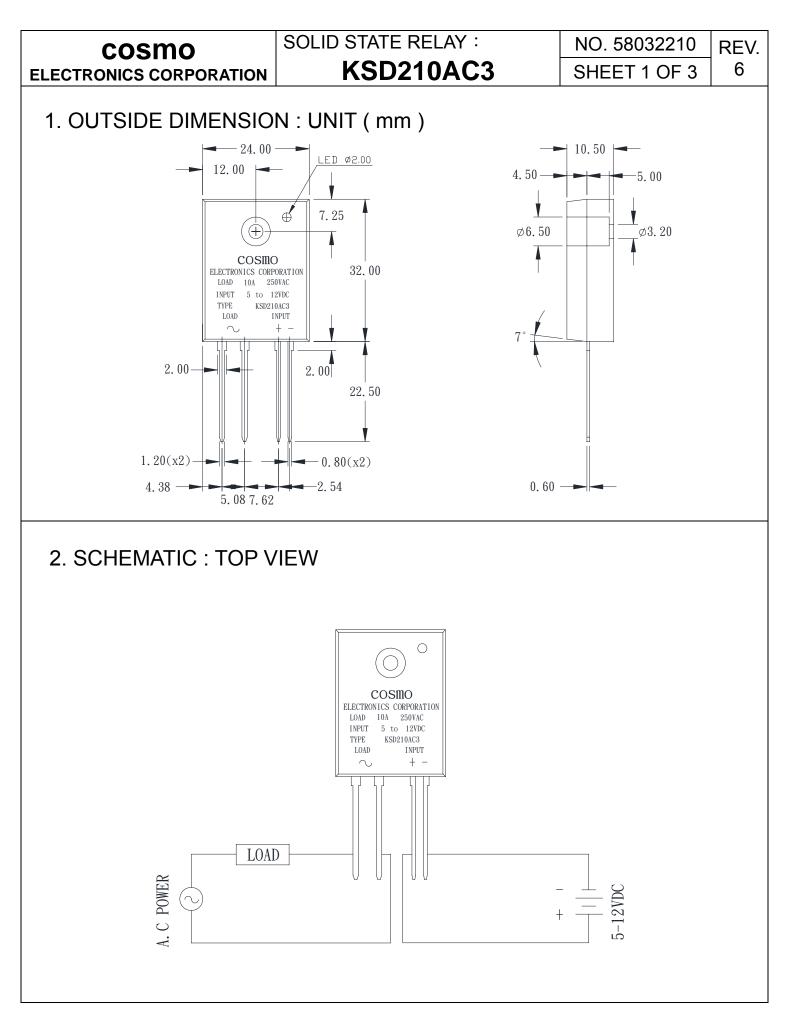
PRODUCT SPECIFICATION



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COSMO ECTRONICS CORPORATION			SOLID STATE RELAY :			NO. S	58032	210	R
		KSD210AC3				SHEE	IEET 2 O		
3.Absol	ute Maximum Ra	atings						(Ta=2	5 ℃
	Parameter				mbol	Rating		Unit	
Input	Input signal voltage		١	V _{IN}	5-1	5-12		VDC	
	Drop-out voltage			V _{do}		1		VDC	
Output	RMS on-state current			Ι _Τ		10		Arms	
	Peak one cycle surge current			I _{surge}		100		А	
	Repetitive peak-off state voltage			V _{DRM}		600		V	
	Operating frequency			f		47~70		Hz	
	Critical rate of rise of on-state current			d	i/dt	50		A/us	
	Load supply voltage	ad supply voltage			/ _{out}	250		Vrms AC	
Isolation voltage input to output				١	/ _{iso}	400	00 Vrms		8
Operating temperature				T _{opr}		-30~	100	°C	
Storage temperature				T _{stg}		-30~125		°C	
	Soldering temperatu	ire 10 sec			Г _{sol}	260		°C	
4.Electr	rical Characterist	ics						(Ta=2	5° C
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/t	JS
	off-state voltage								
	Zero-cross voltage	V _{ox}				YES			
	Load Voltage Rating	V _{out}	I _T =50mArms MIN		50		280	VA	С
Minimum trigger current		I _{FT}	V _{DRM} =600V				10	m	A
Isolation resistance input to output		R _{ISO}	DC500V		10			G	Ω
Turn-on time		T _{on}	60Hz AC				8.3	m	S
Turn-off time		T _{off}	60Hz AC				8.3	m	s
Thermal re	sistance	R _{th}							
(between junction and case)		(j-c)l				1.3		°C/	\ \ /

PRODUCT SPECIFICATION

COSMO ELECTRONICS CORPORATION

SOLID STATE RELAY : KSD210AC3

NO. 58032210 SHEET 3 OF 3

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