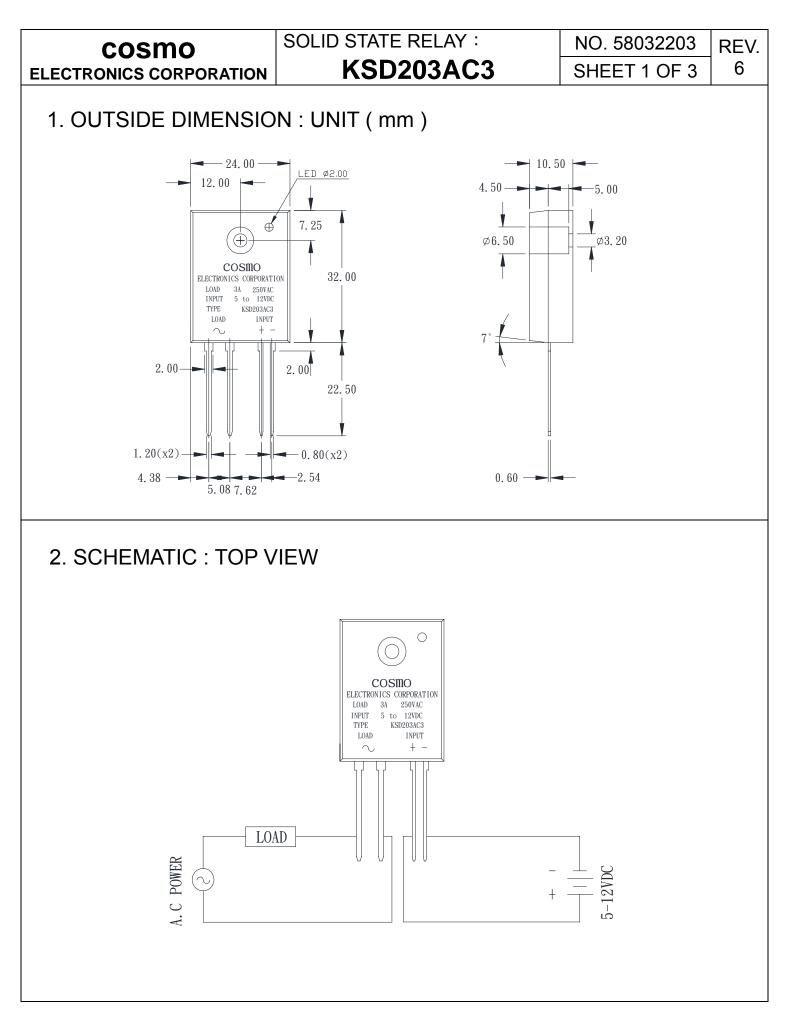
PRODUCT SPECIFICATION



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COSMO ECTRONICS CORPORATION		SOLID STATE RELAY : KSD203AC3				NO. 580322 SHEET 2 O		203	R	
)F 3		
3.Absol	ute Maximum Ra	atings						(Ta=2	5 ℃	
Parameter				Symbol		Rati	Rating		t	
Input	Input signal voltage		V _{IN}		5-12		VDC			
	Drop-out voltage			V _{do}		1		VDC		
Output	RMS on-state current			Ι _Τ		3		Arms		
	Peak one cycle surge current			I _{surge}		30		А		
	Repetitive peak-off state voltage			V _{DRM}		600		V		
	Operating frequency			f		47~70		Hz		
	Critical rate of rise of on-state current			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		°C	
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	Conditions		MIN	TYP	MAX	Ur	nit	
Input	Pick-up voltage	V _{pu}	It=1Arms				4	VD	C	
	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=240vrr	ns			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 _⊤ =50mArms MIN		50		280	VA	C	
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 ir	unction and case)	(j-c)l				1.3		°C/	۱۸/	

PRODUCT SPECIFICATION

COSMO ELECTRONICS CORPORATION

SOLID STATE RELAY : KSD203AC3

NO. 58032203 SHEET 3 OF 3

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