

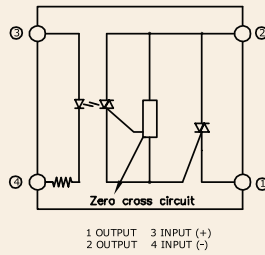
Series: 004/006J/K

**Single Phase SSR (240~480)
2~25Amps**

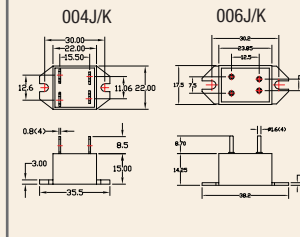
INPUT : DC Control
OUTPUT : Triac Output



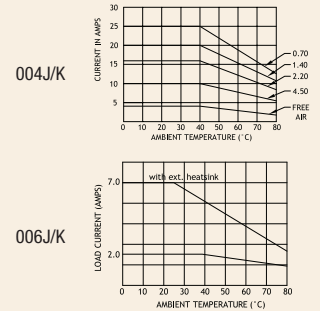
Schematic



Mechanical Drawing



Derating Curve



Salient Features

- Input control: Single/Dual • Output Connections: Screws/Fasten Tabs • Opto Isolation 4000 VAC
- Zero Voltage/Random Turn On • Reverse Voltage Protection • TTL Compatible (Sink Mode) • Output NO Configuration
- Built - In Snubber • Panel/DIN Mountable

ELECTRICAL SPECIFICATION @ TA = 25°C			NOTE: FOR RANDOM T-ON SSR, ADD LETTER 'K' IN PLACE OF 'J'				
PARAMETER	SYMBOL	UNIT	PRODUCT PART NUMBERS				
			004 JDA 241000	004 JDA 241600	004 JDA 242500	004 JDA 482500	006 JDA 330705

INPUT

PARAMETER	SYMBOL	UNIT	004 JDA 241000	004 JDA 241600	004 JDA 242500	004 JDA 482500	006 JDA 330705
Control Voltage Range		Vdc	4-32	4-32	4-32	4-32	5-8
Control Current Range		mA	1-20	1-20	1-20	1-20	1-20
Pick-up Voltage		Vdc	4.0	4.0	4.0	4.0	5.0
Drop-out Voltage		Vdc	1.0	1.0	1.0	1.0	1.0
Input Resistance		KOhms	1.6	1.6	1.6	1.6	1.6

OUTPUT

PARAMETER	SYMBOL	UNIT	004 JDA 241000	004 JDA 241600	004 JDA 242500	004 JDA 482500	006 JDA 330705
RMS on state Current	IT	A	10	16	25	25	7.0
Mains Control Voltage	Vrms	Vac	24-240	24-240	24-240	48-480	24-330
Rep Peak Off state Voltage	Vdrm	Vpk	600	600	600	800	600
Peak one cycle surge Current (Non-Rep)	ITSM	A	100	160	208	208	100
On state Voltage Drop	V _{TM}	Vac	1.6	1.6	1.6	1.6	1.6
Off state Leakage current	I _{drm}	mA	5	5	5	5	5
Zero T-On Voltage		Vpk	25	25	25	25	25
Critical Rate of Rise Off state Voltage	dv/dt	V/μs	400	400	475	475	400
Holding Current	I _H	mA	50	50	100	100	50
Fusing Current	I ² T	A ² s	55	144	259	259	55
Thermal Resistance	R _{TH}	°C/W	2.4	2.1	2.0	2.0	2.4
Turn-On [Zero/Random]	T-On	ms	10/0.1	10/0.1	10/0.1	10/0.1	10/0.1
Turn-Off [Zero/Random]	T-Off	ms	10	10	10	10	10
Frequency Range	f	Hz	47~63	47~63	47~63	47~63	47~63
Operating Temp	T Oper	°C	-30 to +80	-30 to +80	-30 to +80	-30 to +80	-30 to +80

