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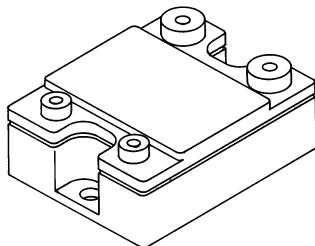
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S505 Series

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Features:

- Optically isolated
- Built-in snubber
- 4000 volt isolation
- Zero voltage turn-on
- High surge capability
- 600 volt blocking voltage
- 100% tested at rated current
- U.L. recognized
- C.S.A. certified
- CE compliant



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Input: 3 to 32 VDC

	(Model)->	S505-0SJ610-000	S505-0SJ625-000	S505-0SJ640-000	S505-0SJ675-000
Schematic Number		1	1	2	2
Impedance (Rc)	Ohm	1500	1500	1500	1500
Turn-on Voltage (Min.)	VDC	3	3	3	3
Turn-off Voltage (Max.)	VDC	1	1	1	1
Reverse Voltage Protection	VDC	-75	-75	-75	-75

Input: 90 to 280 VAC

	(Model)->	S505-0SJ610-009	S505-0SJ625-009	S505-0SJ640-009	S505-0SJ675-009
Schematic Number		3	3	4	4
Impedance (Rc)	KOhm	40	40	40	40
Turn-on Voltage (Min.)	VAC/DC	100	100	100	100
Turn-off Voltage (Max.)	VAC/DC	20	20	20	20
Reverse Voltage Protection		N/A	N/A	N/A	N/A

Output: (For All Models)

		S505-0SJ610-000	S505-0SJ625-000	S505-0SJ640-000	S505-0SJ675-000
I_{OUT} (Continuous w/proper heatsink)	A_{RMS}	10	25	40	75
Voltage Drop @ I_{OUT}	VAC	1.65	1.65	1.5	1.5
I_{SURGE} - 1 Cycle Non-repetitive	A_{PEAK}	100	250	650	950
I_{SURGE} - 1 Second Non-repetitive	A_{PEAK}	40	100	130	140
Voltage Range (V_{OUT})	VAC	24-330	24-330	24-330	24-330
Over Voltage Rating	PIV	600	600	600	600
Frequency Range	Hz	47-63	47-63	47-63	47-63
Leakage @ V_{OUT} (max.)	mA	8	8	8	8
Turn-on (max.)		1/2 Hz	1/2 Hz	1/2 Hz	1/2 Hz
Turn-off (max.)		1/2 Hz	1/2 Hz	1/2 Hz	1/2 Hz
Holding current (min.)	mA	50	50	50	50
Zero voltage switching		Yes	Yes	Yes	Yes

Dv/Dt @ V_{OUT} (max.)	Vus	200	200	500	500
Commutating Dv/Dt Snubbed for Power Factor.=		.5	.5	.5	.5
I ² T Fusing (8.3 ms.)	A ² S	35	260	1035	3745
Thermal resistance $R_{\theta JC}$ (Tj=115°C)	°C/W	1.48	1.05	.65	.30

General Characteristics:

Dielectric strength (Input-Output-Base) V_{RMS}		4000	4000	4000	4000
Capacitance Input to Output	pf	3	3	3	3
Ambient temp. range (Operating)	°C	-40 to +100	-40 to +100	-40 to +100	-40 to +100

Last updated January 9, 2004

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