

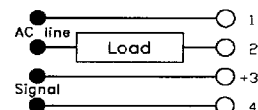


- ▲ Photo isolation
- Zero voltage turn-on
- Built-in snubber
- ▲ TTL compatible
- VDE approved
- 4000 volt RMS isolation
- ▲ 200% load tested at rated current at 0.5 power factor
- UL recognized
- 1/4 inch fast-on terminals
- ▲ CSA certified

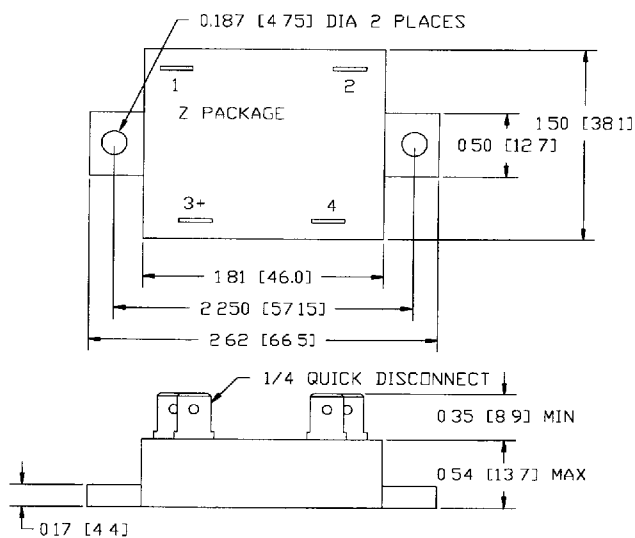
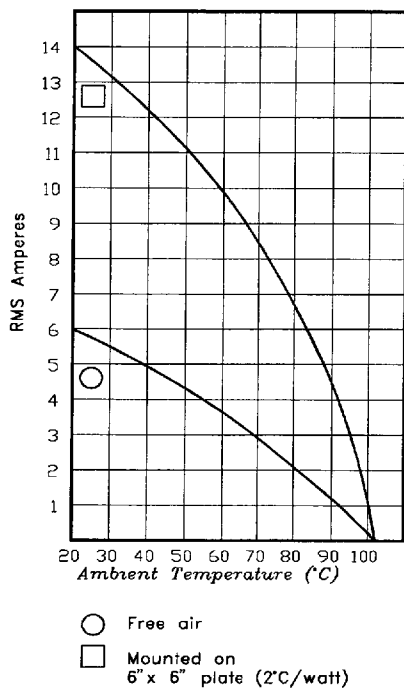
➤ **A** unique heat transfer system makes possible a low cost 10 amp SSR in an all plastic package.

Connection Diagram

Note: Load may be in series with terminal 1 or 2.



CURRENT V.S. AMBIENT



TOLERANCES: .XX ± 0.03 [0.8]
 .XXX ± 0.010 [0.25]

Z SERIES

**Detailed Electrical Specifications**

Model Number	Nominal AC Line Voltage	Nominal Current Rating Amps	1 Cycle Surge (Amps) Peak	Nominal Signal Input Resistance Ohms	Signal Pick-up Voltage	Signal Drop-out Voltage	Peak Repetitive Voltage Minimum	Maximum Output Voltage Drop	Off State Leakage mA Maximum	Operating Voltage Range Volts AC	I^2t Rating 1 = 8.3 Milli-Seconds	Isolation Voltage	θ_{jc}^* °C/Watt	Dissipation Watts/Amp
Z120D10	120	10	110	1000	3 VDC (32V allowed)	1 VDC	600	1.6 volts	6 mA	12 - 140	50	4000 V _{RMS}	4	1
Z240D10**	240	10	110	1000	3 VDC (32V allowed)	1 VDC	600	1.6 volts	12 mA	24 - 280	50	4000 V _{RMS}	4	1

Note: VDE Approved on models with **, add - 17 to model number.

Surge Current Data

Time Seconds	Time *** (Cycles)	10 AMP Peak Amps
0.017	1	110
0.050	3	85
0.100	6	70
0.200	12	60
0.500	30	50
1	60	40
2	120	33
3	180	32
4	240	31
5	300	30
10	600	28

Note: *** 60 Hz

Additional Specifications

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Isolation:

Coupling capacitance input to output
8 PF maximum.

Operating Temperature:

- 40° C to 100° C

Operating Frequency:

25 - 65 Hz (400 Hz with 6 times
higher off-state leakage)

Turn-on Time:

1/2 cycle maximum zero voltage

Turn-off Time:

1/2 cycle maximum zero current

DV/DT Off State:

200 V/microsecond

DV/DT Commutating:

Snubbed for rated current at 0.5
power factor

* θ_{jc} = Thermal resistance junction to base
Maximum junction temperature 110° C

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