

SY-4080

Solid State PCB Mount Relay

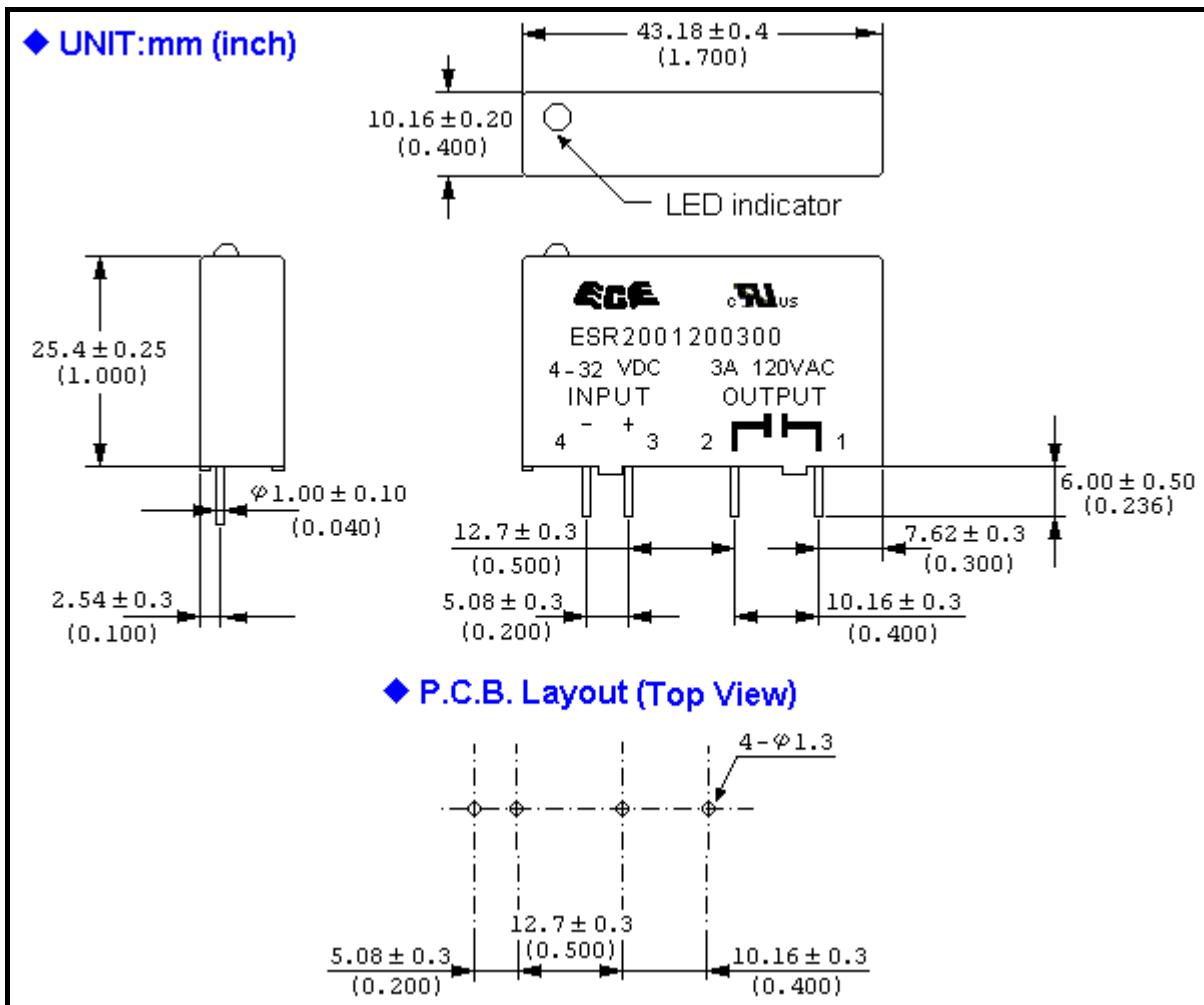
E155181(R)
c **RL** us)

FEATURES

- PCB Mount; Single in Line Package.
- Optically Isolated.
- Input LED Indicator.
- High dv/dt and High Blocking Voltage.
- Low Input power Consumption, TTL and CMOS Compatible.
- Zero Voltage Turn-on, Zero Current Turn-off (minizes EMI/RFI)
- High Surge Rating Allows Lamp and Motor Load Switching
- Built-in Snubber Network



DIMENSIONS



SPECIFICATIONS

DESCRIPTION	ESR210
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INPUT CIRCUIT	
LED Indicate	NO
Control Voltage Range	3-32 VDC
Control Current (mAdc)	15mA Max.
Min. Turn-off Voltage	1VDC
Min. Input Impedance	2.2KO
OUTPUT CIRCUIT	
Load type	AC
Max. Load Current	3A (rms)
Nominal load Voltage (VAC)	240
Load Voltage Range (VAC)	24-280
Non-Repetitive Max. Peak Voltage (VAC)	600
Non-Repetitive Max. Peak Current	80A
Max. Off-state Leakage Current	5mA
Max. On-state Voltage Drop	1.5V
Min. Load Current	50mA
Max. Off-state Slew Rated (dv/dt)	100V/ μ s
Operating Frequency Range	47Hz ~ 63Hz
GENERAL CHARACTERISTICS	
Zero-on or Random-on	Z
Max. Turn-on Time	8.3ms
Max. Turn-off Time	8.3ms
Insulation Resistance	DC 500V 10^8 ? Min. (Between Input & Output, Input / Output & Case)
Dielectric Strength	2.5K VAC (Between Input & Output)
Capacitance	10pF Max. (Between Input & Output)
Operating Temperature	-20° ~ +85°
Storage Temperature	-40° ~ +100°