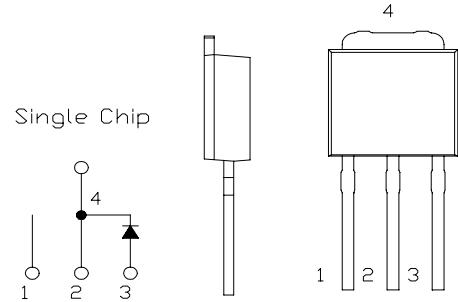


# SBD Type : ESL03B03

## OUTLINE DRAWING

### FEATURES

- \* TO-251AA Case
- \* Extremely Low Forward Voltage drop
- \* Low Power Loss, High Efficiency
- \* High Surge Capability



### Maximum Ratings

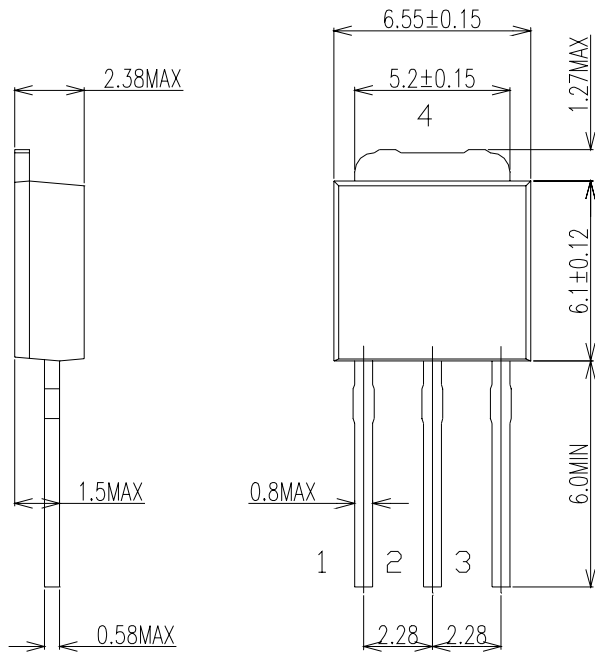
Approx Net Weight:0.35g

Rating	Symbol	ESL03B03		Unit
Repetitive Peak Reverse Voltage	$V_{RRM}$	30		V
Average Rectified Output Current	$I_O$	3.0	$T_c=82^\circ\text{C}$ 50Hz Half Sine Wave Resistive Load	A
RMS Forward Current	$I_{F(RMS)}$	4.71		A
Surge Forward Current	$I_{FSM}$	45	50Hz Half Sine Wave, 1cycle, Non-repetitive	A
Operating Junction Temperature Range	$T_{jw}$	- 40 to + 100		$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	- 40 to + 125		$^\circ\text{C}$

### Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min	Typ	Max	Unit
Peak Reverse Current	$I_{RM}$	$T_j=25^\circ\text{C}, V_{RM}=V_{RRM}$	-	-	3.0	mA
Peak Forward Voltage	$V_{FM}$	$T_j=25^\circ\text{C}, I_{FM}= 3 \text{ A}$	-	-	0.47	V
Thermal Resistance	Junction to Case	$R_{th(j-c)}$	-	-	6	$^\circ\text{C/W}$

ESL03B03 OUTLINE DRAWING (Dimensions in mm)



Single Chip

