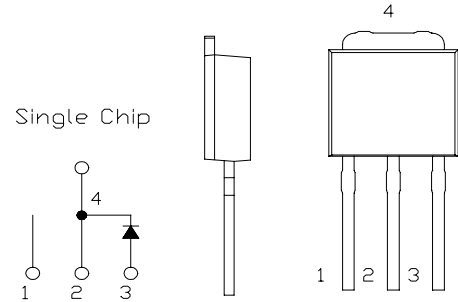


SBD Type : ESL03B03

OUTLINE DRAWING

FEATURES

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



Maximum Ratings

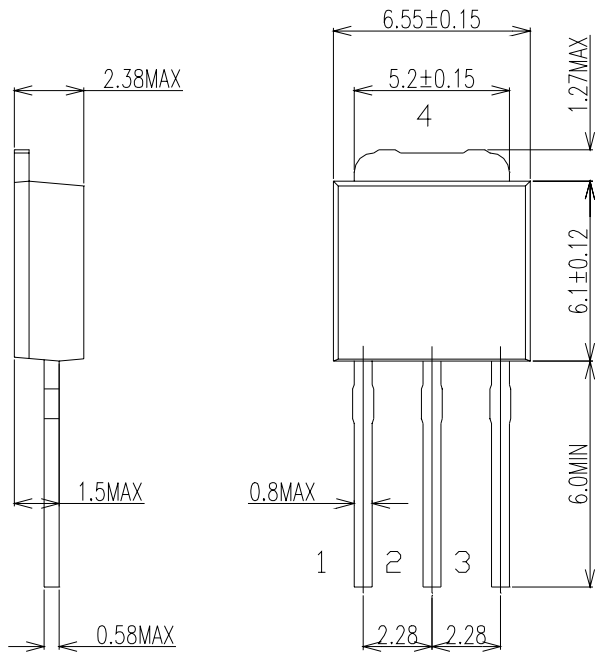
Approx Net Weight:0.35g

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

