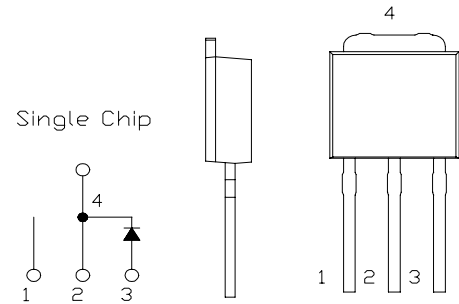


SBD Type : ESL03B03

OUTLINE DRAWING

FEATURES

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



Maximum Ratings

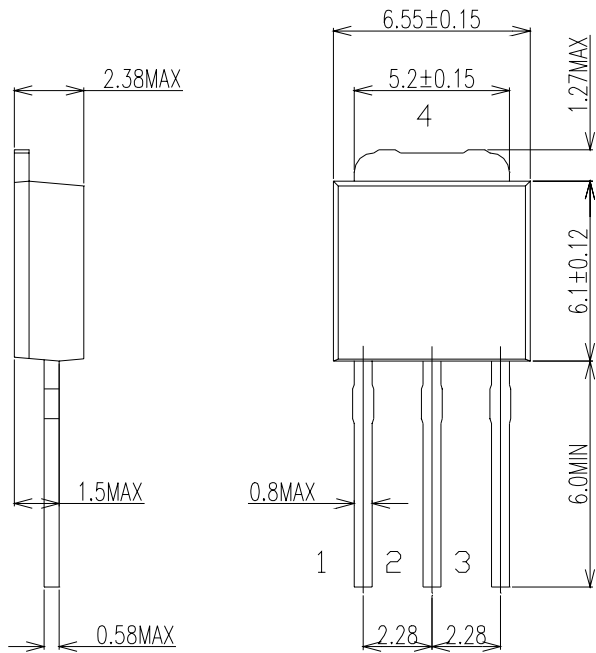
Approx Net Weight:0.35g

Rating	Symbol	ESL03B03			Unit
Repetitive Peak Reverse Voltage	V _{RRM}	30			V
Average Rectified Output Current	I _O	3.0	Tc=82℃	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 JunctionTemperature Range	T _{jw}	- 40 to + 100			℃
Storage Temperature Range	T _{stg}	- 40 to + 125			℃

Electrical • Thermal Characteristics

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

ESL03B03 OUTLINE DRAWING (Dimensions in mm)



Single Chip

