

# Reliability Report

Part Number: Rectifier Axial Series

Test Results : **PASS**

Test Item	Conditions	Duration	Quantity	Rejects
<b>TEST</b> Pre- and Post-Stress Electrical Test	T <sub>a</sub> = 25 °C	N/A	all parts	see below
<b>HTRB</b> High Temperature Reverse Bias	MIL-STD-750 Method 1038 T <sub>j</sub> = T <sub>jmax</sub> , 80% VR	1000 hours	77Pcs	0
<b>TC</b> Temperature Cycling	JESD22-A104 -55 C (+0,-10)/15Min~ 150(+15,-0)/15Min,	1000Cycles (500hours)	77Pcs	0
<b>AC</b> Autoclave	JESD22-A102 T <sub>a</sub> = 121 °C±2 °C, RH = 100 %, 15psig	96 hours	77Pcs	0
<b>H3TRB</b> High Humidity High Temperature Reverse Bias	JESD22-A101 T <sub>a</sub> = 85 °C±2 °C , RH = 85%±5%, 80 % VR (VR MAX=100V)	1000 hours	77Pcs	0
<b>IOL</b> Intermittent Operating Life	MIL-STD-750 Method 1037 ON 2Min/OFF 2min, devices powered to insure ,ΔT <sub>j</sub> ≥ 100 °C	15000 cycles (1000 hours)	77Pcs	0
<b>T.S</b> Terminal Strength	MIL-STD-750 Method 2036 W=3Kg,	15s	22Pcs	0
<b>B.S</b> Bending Strength	MIL-STD-750 Method 2036 W=2Kg,90±5°	3Times	22Pcs	0
<b>RSH</b> Resistance to Solder Heat	JESD22-B106 270 °C ± 5 °C,	7s (+2,-0)	30Pcs	0
<b>SD</b> Solderability	J-STD-002 235 °C ± 5 °C	3 s	10Pcs	0
<b>HTSL</b> High Temperature Storage Life	JESD22-A103 TstgMax	1000 hours	77Pcs	0