

# Reliability Report

## Part Number: IGBT Module Series

Yearly Reliability monitoring:2023  
Based on similar Structural

### 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	IEC 60747 T <sub>j</sub> =T <sub>j</sub> max,80%VR	1000 hours	5Pcs	0
<b>TC</b> Temperature Cycling	IEC 60068-2-14 Test Na 150°C (+15, -0) /30min, -55°C (+0, -10) /30min	100 cycles	5Pcs	0
<b>H3TRB</b>	JESD22-A101 85±2°C, 85±5%RH,80%VDS(Max=100V)	1000 hours	5Pcs	0
<b>PC</b> Power Cycle	IEC 60749-34 Δ T <sub>J</sub> =100°C+15/-10°C	1000Cycles	5Pcs	0
<b>LTSL</b> Low Temperature Storage Life	IEC60068-2-1 T <sub>stg</sub> min	1000 hours	5Pcs	0
<b>HTSL</b> High Temperature Storage Life	IEC 60068-2-2 T <sub>stg</sub> max	1000 hours	5Pcs	0