

Reliability Report

Part Number: IGBT Module Series

Yearly Reliability monitoring:2022
Based on similar Structural

Test Results : PASS

| Test Item | Conditions | Duration | Quantity | Rejects |
|--|---|------------|-----------|--------------|
| TEST Pre- and Post-Stress Electrical Test | T _a = 25 °C | N/A | all parts | see below |
| HTRB High Temperature Reverse Bias | IEC 60747 T _j =T _j max,80%VR | 1000 hours | 5Pcs | 0 |
| TC Temperature Cycling | IEC 60068-2-14 Test Na 150°C (+15, -0) /30min, -55°C (+0, -10) /30min | 100 cycles | 5Pcs | 0 |
| H3TRB | JESD22-A101 85±2°C, 85±5%RH,80%VDS(Max=100V) | 1000 hours | 5Pcs | 0 |
| PC Power Cycle | IEC 60749-34 Δ T _J =100°C+15/-10°C | 1000Cycles | 5Pcs | 0 |
| LTSL Low Temperature Storage Life | IEC60068-2-1 T _{stg} min | 1000 hours | 5Pcs | 0 |
| HTSL High Temperature Storage Life | IEC 60068-2-2 T _{stg} max | 1000 hours | 5Pcs | 0 |