

Reliability Report

Part Number: TVS THT Series

Test Results : **PASS**

Test Item	Conditions	Duration	Quantity	Rejects
TEST Pre- and Post-Stress Electrical Test	$T_a = 25\text{ }^{\circ}\text{C}$	N/A	all parts	see below
HTRB High Temperature Reverse Bias	MIL-STD-750 Method 1038 $T_j = T_{jmax}, 100\% \text{ VR}$	1000 hours	77Pcs	0
TC Temperature Cycling	JESD22-A104 $-55\text{ }^{\circ}\text{C} (+0,-10)/15\text{Min} \sim$ $150(+15,-0)/15\text{Min},$	1000Cycles (500hours)	77Pcs	0
AC Autoclave	JESD22-A102 $T_a = 121\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}, \text{ RH} = 100\% ,$ 15psig	96 hours	77Pcs	0
H3TRB High Humidity High Temperature Reverse Bias	JESD22-A101 $T_a = 85\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C} , \text{ RH} = 85\% \pm 5\% ,$ 100 % VR (VR MAX=100V)	1000 hours	77Pcs	0
RSH Resistance to Solder Heat	JESD22-B106 $260\text{ }^{\circ}\text{C} (+5 , -0)$	10 s	30Pcs	0
T.S Terminal Strength	MIL-STD-750 Method 2036 W=1Kg	15 s	22Pcs	0
B.S Bending Strength	MIL-STD-750 Method 2036 W=0.5Kg,90 \pm 5 $^{\circ}$	3Times	22Pcs	0
SD Solderability	J-STD-002 $235\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$	3 s	10Pcs	0
HTSL High Temperature Storage Life	JESD22-A103 TstgMax	1000 hours	77Pcs	0