

HI-REL CAPABILITIES

Rectron has devoted its efforts to guarantee that product quality and reliability will continue to exceed the growing demands of our customers as well as our own internal controls. Nearly \$1.1 million worth of new computer controlled testing and stressing equipment has been added to the Rectron Hi-Rel Lab. The additions have increased both capacity and efficiency, giving Rectron a competitive advantage in areas of Internal product family surveillance analysis, customer product qualifications, new process and device qualifications, timely failure analysis, and thorough corrective action reports. Below is a list of the Hi-Rel Lab's capabilities.

HI-REL	CAPABILITIES	STANDARDLOT TESTS	NOTE
Temperature and Humidity with Bias	Temp : -40 ⁰ C ~ 100 ⁰ C ; Humidity :0%~100%RH	Temp : 65 ⁰ C ; Humidity : 98%RH	
Temperature and Humidity	Temp : 50 ⁰ C ~ 100 ⁰ C ; Humidity : 65%~98 Bias Voltage 0~600V	Temp : 65 ⁰ C ; Humidity : 85% Bias 0~600V	
Temperature Cycling (Air to Air)	Temp : -65 ⁰ C~150 ⁰ C 3 Chamber / Temp testers	Temp : -25 ⁰ C / 30mins ; 150 ⁰ C / 30mins	
Hast (PCT)	Temp : 105 ⁰ C~143 ⁰ C ; Humidity : 75%~100%RH; Pressure : 0.2~2kg / cm ² G	Temp : 121 ⁰ C ; Humidity : 75%RH ; Pressure : 1kg/cm ² G	
Thermal Shock (Liquid to Liquid)	Temp : -65 ⁰ C~150 ⁰ C	Temp : 0 ⁰ C / 5mins ; 100 ⁰ C / 5mins	
H.T.R.B	Temp : 0 ⁰ C~150 ⁰ C ± 1 ⁰ C tolerance	Temp : 125 ⁰ C	
H.T.S.L	Temp : 0 ⁰ C~200 ⁰ C	Temp : 150 ⁰ C	
HI/LO Temperature Oven.	Temp : -65 ⁰ C~+175 ⁰ C	HTIR @ Temp : 100 ⁰ C	
T.F.T / OP Life	Temp : 0 ⁰ C~125 ⁰ C	Temp : 100 ⁰ C ; ON : 300Secs ; OFF : 300Secs	
Teiminal strength	WT : 0kg~25kg	WT : 2kg	
Forward surge	IFS : 0A~400A	IFS : 30A~300A	
Solder resistance / Solderability	Temp : 0 ⁰ C~260 ⁰ C	Temp : 260 ⁰ C / 230 ⁰ C / 5Secs	