RECTRON INC

HI-REL SUMMARY REPORT

HI-REL NO.: 050722

EXPERIMENTAL PURPOSE: Routine Evaluation																														
EXPERIMENTAL ITEM CONDITIONS AND CRITERION											**LTPD= 5**												**S.S= 77 PCS**							
SAMPLE SIZE 77 PCS	**TYPE**	**FM4005**									**FM4005**																			
	LOT																													
	V_R	**600V**						**V_F**			**1.0A/**																			
TEST PERFORMCE & CONDITIONS	**FAIL HRS**	MAJOR	CRITICAL	TOTAL	MAJOR	CRITICAL	TOTAL	MAJOR	CRITICAL	TOTAL	MAJOR	CRITICAL	TOTAL	MAJOR	CRITICAL	TOTAL	MAJOR	CRITICAL	TOTAL	MAJOR	CRITICAL	TOTAL	MAJOR	CRITICAL	TOTAL	MAJOR	CRITICAL	TOTAL	MAJOR	CRITICAL	TOTAL
AUTOCLAVE 15 PSIG / +121℃	**96 H**	0	0	0							0	0	0																	
	H																													
H.T.R.B. V_R = 480 V T_A = +125 ℃	**1000 H**	0	0	0							0	0	0																	
	H																													
	H																													
STORAGE LIFE T_A = +150 ℃	**1000 H**	0	0	0							0	0	0																	
	H																													
	H																													
INTERMITTENT OP. LIFE I_O =1.5 A T_{ON} / T_{OFF}= 300 SECS	**1000 C**	0	0	0							0	0	0																	
	C																													
	C																													
STEAM AGING TEST SOLDERABILITY T_A = +255 ℃	**S**																													
	S																													
SOLDER RESISTANCE T_A = +260℃	**10±2S**	0	0	0							0	0	0																	
	S																													
THERMAL SHOCK 0℃ TO 100℃ 5 MIN DWELLS	**10 C**																													
	C																													
	C																													
TEMPERATURE CYCLING - 55℃ TO 150℃ 30 MIN DWELLS	**30 C**	0	0	0							0	0	0																	
	C																													
	1000 C	0	0	0							0	0	0																	
HUMIDITY T_A = +65℃ R.H=98%	**1000 H**	0	0	0							0	0	0																	
	H																													
FORWARD SURGE 8.3 ms I_{FSM} = 30A	**1 Surge**	0	0	0							0	0	0																	
	10 Surge	0	0	0							0	0	0																	
	Surge																													

TEST LIMITS: 1). MAJOR 2). CRITICAL

I_R @ 600 Volts < 5 μA I_R > 5 μA I_R > 500μA

MACHINE NO:	ANALYSIS:	REMARK:
CURVE TRACER : 5802		
PICOAMMETER :		
VF &IR TEST : MPT6000		
TRR TEST :		

JUSTIFY : ACC

ISSUE	AE	PE	QC	PC	PROD LINE

APPROVED: R.L 2005/7/23 CHECKED: J.H.W 2005/7/23 PREPARED: W.F.W 2005/7/23