

Product	Laserdiode
Package	RLD90QZW8

1.試験結果 (Test Result)

試験項目 (Test Item)	n (pcs)	Vf(V)		Po(W)		λ (nm)		備考
		r (pcs)	P (%)	r (pcs)	P (%)	r (pcs)	P (%)	
温度サイクル (Thermal Cycle)	20	0	0	0	0	0	0	-
高温通電試験 (High Temp. Endurance)	10	0	0	0	0	0	0	-
高温保存 (High Temp. Storage/Resistance Solder Heat)	20	0	0	0	0	0	0	-
低温保存 (Low Temp. Storage)	20	0	0	0	0	0	0	-
高温高湿保存 (High Temp. High Hum. Storage)	20	0	0	0	0	0	0	-

n; サンプル数 (Sample Qty)

r; 不良数 (Rejection Qty) P; 不良率 (Percent Rejection)

2.試験条件 (Test Condition)

試験項目 (Test Item)	準拠規格 (Standard)	試験条件 (Test Condition)
温度サイクル (Thermal Cycle)	JIS C 7021 A-4	-40°C~100°C、 200cyc
高温通電試験 (High Temp. Endurance)	社内規格	Tc=85°C If=50A、200hr PW:50ns、Duty:0.05%
高温保存 (High Temp. Storage/Resistance Solder Heat)	JIS C 7021 B-10	100°C、500hr
低温保存 (Low Temp. Storage)	EIAJ ED-4701B-112	-40°C、500hr
高温高湿保存 (High Temp. High Hum. Storage)	JIS C 7021 B-11	65°C、95%、500hr

3.測定項目及び故障判定基準 (Failure Criteria)

測定項目 (Item)	測定条件 (Condition)	故障判定基準 (Criteria)
Vf(V)	Tc=25°C、 If=42A、 PW:50ns、 Duty:0.05%	初期値±5%以下 (Changing rate of±5%)
Po(W)		初期値±20%以下 (Changing rate of±20%)
λ (nm)		初期値±3nm以下 (Changing of±3nm)

4.高温通電試験測定項目及び故障判定基準 (Failure Criteria of High Temp. Endurance)

測定項目 (Item)	測定条件 (Condition)	故障判定基準 (Criteria)
Po(W)	Tc=25°C、 If=42A、 PW:50ns、 Duty:0.05%	初期値-20%以下 (Changing rate of+20%) MTTF≥5000hr

5.判定結果 (Judgement)

各試験項目とも不具合の発生は認められておりません。
(No failure is observed from each test item.)

Notes

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