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MIL PRF 38534 CLASS H TRAVELLER

Customer:	Cust PO#:	Cust Spec:Man Data Sheet
LQH #:042	Bonding Diagram#: DBD054	SO:20697
Device:1N5711	Device IIL:9972	Diff Lot:9GDT-5679 W3
Bond Wire:Au	Package Style: TO39	Package IIL:6316
Die Attach Type:Ag	Lid Style: TO39 Cap	Lid IIL:6315

SEQ	OPERATION/PS	CONDITIONS	QTY	ACCEPT	REJ.	DATE	SIG.	COMMENTS
1	100% Die Visual QS011	MIL STD 883 TM 2010	15	15		14/06/24	SG	Equipment #:1
2	Die Attach PS0018	Cure Epoxy 1Hr @150°C Oven Temp Check:152°C	15	15		14/06/24	DPB	Equipment #:6
3	Wire Bond PS0020	Wire Type: Au Diameter: 1 Mils	15	15		14/06/24	DPB	Equipment #:7
4	Internal Visual QS0029	MIL STD 883 TM 2010	15	15		17/06/24	SE	Equipment #:1
5	Lid Seal PS 00010	Cure Epoxy 1Hr @150°C	15	15		17/06/24	SR	Equipment #:8 Oven Temp Check:152°C
6	100% Electrical Test +25°C	Manufacturers Datasheet	10	10		17/06/24	DPB	Equipment #:12 Program: 1N5711.tsf
7	100% Electrical Test -55°C	Manufacturers Datasheet	10	10		18/06/24	DPB	Equipment #:12 Program: 1N5711.tsf

ALL ELECTRICAL TEST RESULTS ARE SUPPLIED ELECTRONICALLY

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SEQ	OPERATION/PS	CONDITIONS	QTY	ACCEPT	REJ.	DATE	SIG.	COMMENTS
8	100% Electrical Test +125°C	Manufacturers Datasheet	10	10		18/06/24	DPB	Equipment #:12 Program: 1N5711.tsf
9	Bond Pull Test Bake PS0005	MIL STD 883 TM2011 1hr 300°C bake	10	10		19/06/24	DPB	Equipment #:8 Oven Temp Check# 301°C
10	Bond Pull Test PS0006	MIL STD 883 TM2011 Attach Electronic Results to Folder	10	10		19/06/24	DPB	Equipment #:15 BPR:0060
11	Final QA QS0032	Check Test Records and Documentation	10	10		20/06/24	DSB	
12	Dispatch goods and Electronic Records to customer		1	1		20/06/24	RB	

ALL ELECTRICAL TEST RESULTS ARE SUPPLIED ELECTRONICALLY

Data

Device #	Result	1.1 VR - Reverse Voltage If=10uA	2.1 VF - Forward Voltage Ir=1mA	3.1 VF - Forward Voltage Ir=15mA	4.1 IR - Reverse Leakage I Vr=50V
Unit		V	mV	mV	nA
Lower limit		70.000	0.000	0.000	
Upper limit		714.000	410.000	1000.000	200.000
1	Pass	93.01	371.25	828.50	12.61
2	Pass	95.61	366.75	822.00	17.75
3	Pass	93.26	365.50	822.25	19.44
4	Pass	93.14	366.75	822.25	17.16
5	Pass	96.98	370.75	829.75	13.18
6	Pass	94.95	367.75	824.75	16.84
7	Pass	94.92	367.50	826.75	16.98
8	Pass	94.41	369.00	827.50	15.22
9	Pass	96.91	369.00	824.00	14.48
10	Pass	93.87	370.25	828.00	13.54

LQH #:042

TEMP =25°C

1N5711



Data

Device #	Result	1.1 VR - Reverse Voltage If=10uA	2.1 VF - Forward Voltage Ir=1mA	3.1 VF - Forward Voltage Ir=15mA	4.1 IR - Reverse Leakage I Vr=50V
Unit		V	mV	mV	nA
Lower limit		70.000	0.000	0.000	
Upper limit		714.000	450	1000.000	200.000
1	Pass	94.38	434.75	779.50	1.66
2	Pass	90.27	431.25	781.00	0.04
3	Pass	94.10	440.50	771.75	0.48
4	Pass	94.08	437.25	787.00	1.11
5	Pass	89.94	444.25	768.50	0.02
6	Pass	93.37	444.50	766.75	0.26
7	Pass	90.83	412.75	772.00	0.30
8	Pass	90.37	418.50	784.75	0.15
9	Pass	90.46	429.75	781.00	0.24
10	Pass	90.78	422.75	788.75	0.13

Cust Spec :MAN. Data Sheet

LQH #:042

1N5711

TEMP =-55°C



Data

Device #	Result	1.1 VR - Reverse Voltage If=10uA	2.1 VF - Forward Voltage Ir=1mA	3.1 VF - Forward Voltage Ir=15mA	4.1 IR - Reverse Leakage I Vr=50V
Unit		V	mV	mV	nA
Lower limit		70.000	0.000	0.000	
Upper limit		714.000	410.000	1000.000	2000
1	Pass	98.60	351.25	643.25	1154.36
2	Pass	97.62	305.50	664.75	1165.83
3	Pass	97.68	302.75	659.25	1111.41
4	Pass	98.37	291.75	639.25	1345.97
5	Pass	98.69	291.75	639.50	1345.29
6	Pass	98.98	285.50	629.25	1354.06
7	Pass	99.43	281.00	621.50	1357.64
8	Pass	97.08	331.75	621.00	1313.75
9	Pass	98.61	291.75	639.50	1344.31
10	Pass	96.86	322.00	630.00	1383.40

Cust Spec :MAN. Data Sheet

LQH #:042

1N5711

TEMP =125°C



Part #	1N5711	Date	19 th June 2024
Sample Qty	5	Bond Type	Ball
Wire Size	25μ	Wire Type	Au
Min allowable strength	2.5gm	BPR	0060
Customer		Customer PO- SO	SO20697
Batch #	LQH0042	Equipment	XYZTEC

SN: 11			SN: 12			SN: 13			SN:14			SN:15					
#	F	C	#	F	C	#	F	C	#	F	C	#	F	C	#	F	C
1	4.69	8	3	6.73	8	5	4.39	8	7	5.6	8	9	3.92	8			
2	5.54	8	4	5.69	8	6	4.99	8	8	5.42	8	10	4.75	8			

F=Pull Strength in gms C=Failure Code

CODES

1. No Wire Break
2. Bond lift from Die
3. Bond lift from Post
4. Wire breaks at Heal
5. Die Metallisation delaminates
6. No Connection
7. Wire Breaks from Die
8. Bond Breaks at span