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MIL PRF 38534 CLASS H TRAVELLER

Customer:XXXXXXXXXXXX	Cust PO#:23005767	Cust Spec:Man Data Sheet
LQH #:007	Bonding Diagram#: DBD030	SO:20179
Device:BAS70H	Device IIL:8493	
Bond Wire:Au	Package Style:TO39	Package IIL:6821
Die Attach Type:Ag	Lid Style: Cap	Lid IIL:6821

SEQ	OPERATION/PS	CONDITIONS	QTY	ACCEPT	REJ.	DATE	SIG.	COMMENTS
1	100% Die Visual PS0001	MIL STD 883 TM 2010	15	15		9/5/23	SG	Equipment #:1
2	Die Attach PS0002	Cure Epoxy 1Hr @150°C Oven Temp Check:152°C	15	15		9/5/23	DPB	Equipment #:8
3	Wire Bond PS 00003	Wire Type: Au Diameter: 1 Mils	15	15		9/5/23	DPB	Equipment #:7
4	Internal Visual PS0001	MIL STD 883 TM 2010	15	15		10/5/23	SE	Equipment #:1
5	Lid Seal PS 00004	Cure Epoxy 1Hr @150°C	15	15		10/5/23	SR	Equipment #:8 Oven Temp Check:150°C
6	100% Electrical Test +25°C	Manufacturers Datasheet	10	10		11/5/23	DPB	Equipment #:12 Program# BAS70
7	100% Electrical Test -55°C	Manufacturers Datasheet	10	10		12/5/23	DPB	Equipment #:12 Program# BAS70

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		12/5/23	DPB	Equipment #:12 Program# BAS70
9	Bond Pull Test Bake PS 00005	MIL STD 883 TM2011 1hr 300°C bake	10	10		15/5/23	DPB	Equipment #:8 Oven Temp Check# 300°C
10	Bond Pull Test PS 00006	MIL STD 883 TM2011 Attach Electronic Results to Folder	10	10		15/5/23	DPB	Equipment #:15 BPR:0025
11	Final QA PS 00001	Check Test Records and Documentation	10	10		16/5/23	DSB	
12	Dispatch goods and Electronic Records to customer		1	1		16/5/23	RB	
13								
14								

ALL ELECTRICAL TEST RESULTS ARE SUPPLIED ELECTRONICALLY

Data

Device #	Result	1.1 VR - 70V	2.1 IR - 100nA	3.1 VF -1mA	4.1 VF -15mA
Unit		V	nA	mV	mV
Lower limit		70.000		0.000	0.000
Upper limit		600.000	100.000	410.000	1000.000
1	Pass	98.15	11.28	371.75	817.25
2	Pass	92.81	13.33	369.50	824.50
3	Pass	97.71	11.58	373.75	829.50
4	Pass	92.51	14.41	368.50	816.75
5	Pass	93.14	13.48	369.50	820.25
6	Pass	95.64	12.76	370.00	820.50
7	Pass	91.64	11.45	371.50	803.25
8	Pass	92.72	13.11	370.00	822.50
9	Pass	91.79	19.45	362.00	790.75
10	Pass	90.83	10.45	373.50	807.75

Cust PO#: 23005767
Cust Spec :MAN. Data Sheet

SO:20179
LQH #:007

TEMP =25°C

DEVICE: BAS70H



Data

Device #	Result	1.1 VR - 70V	2.1 IR - 100nA	3.1 VF -1mA	4.1 VF -15mA
Unit		V	nA	mV	mV
Lower limit		45		0.000	0.000
Upper limit		600.000	250	410.000	1000.000
1	Pass	55.12	135.42	269.25	842.75
2	Pass	55.37	135.47	299.75	845.00
3	Pass	56.94	135.44	285.25	846.25
4	Pass	57.59	135.48	276.00	846.50
5	Pass	57.66	135.44	274.75	846.50
6	Pass	58.03	135.49	263.75	844.25
7	Pass	58.46	135.51	259.25	839.50
8	Pass	58.83	135.51	263.25	834.00
9	Pass	59.11	135.38	270.00	824.50
10	Pass	58.46	135.36	259.70	832.50

Cust PO#: 23005767
Cust Spec :MAN. Data Sheet

SO:20179
LQH #:007

TEMP =-55°C

DEVICE: BAS70H



Data

Device #	Result	1.1 VR - 70V	2.1 IR - 100nA	3.1 VF -1mA	4.1 VF -15mA
Unit		V	nA	mV	mV
Lower limit		45		0.000	0.000
Upper limit		600.000	250	410.000	1000.000
1	Pass	55.12	136.23	269.25	447.75
2	Pass	55.37	136.35	399.75	448.50
3	Pass	56.94	136.42	385.25	449.00
4	Pass	57.59	136.33	376.00	450.00
5	Pass	57.66	136.30	374.75	443.75
6	Pass	58.03	136.29	363.75	448.50
7	Pass	58.46	136.27	359.25	448.50
8	Pass	58.83	136.29	363.25	451.60
9	Pass	59.11	136.00	370.00	446.75
10	Pass	59.59	136.420	368.70	448.25

Cust PO#: 23005767
Cust Spec :MAN. Data Sheet

SO:20179
LQH #:007

TEMP =125°C

DEVICE: BAS70H



Part #	BAS 70	Date	15 ^h May 2023
Sample Qty	5	Bond Type	Ball
Wire Size	25μ	Wire Type	Au
Min allowable strength	2.5gm	BPR	0025
Customer	Levanon&Kogan	Customer PO- SO	PO23005767_20179
Batch #	LQH0007	Equipment	XYZTEC

SN: 15			SN: 16			SN: 17			SN: 18			SN: 19			SN: 20		
#	F	C	#	F	C	#	F	C	#	F	C	#	F	C	#	F	C
1	8.77	8	3	9.53	8	5	7.55	8	7	5.95	8	9	9.65	8	10	8.01	8
2	5.82	8	4	8.95	8	6	6.75	8	8	6.47	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