

HENKEL LOCTITE ABLESTIK QMI536-1A1.5 ADHESIVE PASTE NEW SPACER Qualification Results Summary



Project Owner: Ariel Villareal/ Enero Policarpio

In-Line Monitors and Screening Test (Reference: MIL-STD-883)

Die Attach Evaluation Material: HENKEL LOCTITE ABLESTIK QMI536-1A1.5 Adhesive Paste New Spacer

Test Description	Sample Size	Results	Remarks
Wire Pull Test	5 units (all wires)	0/50	Pass
Third Optical Inspection	100%	99% (within plan yield / no failure related to qualification)	Pass
Fine Leak Test	100%	100%	Pass
Gross Leak Test	100%	100%	Pass
Final Visual Inspection	100%	100%	Pass
Electrical Test	100%	95% (within plan yield / no failure related to qualification)	Pass

Reliability Tests (Reference: MIL-STD-883)

Test Description	Test Method	Qty. (Accept #)	Sample size (pcs.)	No. Of Rejects	Remarks
SUBGROUP 1		15 (0)			
Physical Dimensions	2016		15	0	Pass
SUBGROUP 2		45(0) for Leads from 3 devices min			
Lead Integrity	2004/B2		45 leads	0	
SUBGROUP 3		15 (0)			
Test @ +25C			15	0	Pass
Thermal Shock	1011/B		15	0	Pass
Temperature Cycle	1010/C		15	0	Pass
Moisture Resistance	1004		15	0	Pass
Visual Inspection	1004/1010		15	0	Pass
Test @ +25C			15	5	Pass [rejects not related to qualification]
Fine Leak Test	1014/A		10	0	Pass
Gross Leak Test	1014/C		10	0	Pass

Reliability Tests (Reference: MIL-STD-883)

Test Description	Test Method	Qty. (Accept #)	Sample size	No. Of Rejects	Remarks
SUBGROUP 4		15 (0)			
Test @ +25C			15	0	Pass
Mechanical Shock	2002/B		15	0	Pass
Vibration Variable Frequency	2007/A		15	0	Pass
Constant Acceleration	2001/E		15	0	Pass
Fine Leak Test	1014/A		15	0	Pass
Gross Leak Test	1014/C		15	0	Pass
Visual Exam	2007		15	0	Pass
Test @ +25C			15	0	Pass
SUBGROUP 5		15 (0)			
Salt Atmosphere	1009/A		15	0	Pass
Visual Exam	1009		15	0	Pass
Fine Leak Test	1014/A		15	0	Pass
Gross Leak Test	1014/C		15	0	Pass
SUBGROUP 6		3 (0)			
Internal Water Vapor Content	1018		3	0	Pass
SUBGROUP 7		15 (0)			
Adhesion of Lead Finish	2025		15 Leads		Pass