

MSK PRODUCT COMPARISON CHART

Test Flow or Requirement MIL-STD-883 Test Method	Hermetic Industrial	Hermetic Class H	Hermetic Class K	Hermetic Class V	PEMs Industrial	PEMs Class H Similar
Certification	No	Yes	Yes	Yes	No	No
Qualification (QML Listing)	No	QML Note	QML Note	QML Note	No	No
Element Evaluation	No	Yes	Yes	Yes	No	Yes
Clean Room Processing	Yes	Yes	Yes	Yes	Yes	Yes
Ultrasonic Inspection, TM 2030	A/R	A/R	A/R	A/R	A/R	Yes
Wirebond Process Control	Yes	Yes	Yes	Yes	Yes	Yes
Non Destruct Bond Pull Sample, TM 2023	Yes	Yes	Yes 100%	Yes 100%	Yes	Yes
Certified Operators	No	Yes	Yes	Yes	No	Yes
Mil Line Processing	Yes	Yes	Yes	Yes	Yes	Yes
Max Rework Specified	No	Yes	Yes	A/R	No	Yes
Pre-Seal Electrical	Yes	Yes	Yes	A/R	Yes	Yes
Pre-Cap Visual, TM 2017	Yes Industrial	Yes Class H	Yes Class K	Yes TM 2010	Yes Industrial	Yes Class H
Pre-Seal Vacuum Bake	Yes	Yes	Yes	Yes	No	No
Fine Leak Test (Process Control)	Yes	Yes	Yes	Yes	No	No
Temperature Cycle, TM 1010	No	Yes	Yes	Yes	No	Yes
Constant Acceleration, TM 2001	No	Yes	Yes	Yes	No	No
PIND Test, TM 2020	No	A/R	Yes	Yes	No	No
Electrical Test	No	Optional	Yes	Yes	No	Optional
Burn-In, TM 1015	No	Yes 160 Hours	Yes 320 Hours	Reverse BIAS A/R Yes 240 Hours	No	Yes 160 Hours
Final Electrical Test/In Line Gp A	Yes 25°C	Yes Full Temp	Yes Full Temp	Yes Full Temp	Yes 25°C	Yes 25°C Full Temp Sample
Fine Leak, TM 1014	No	Yes	Yes	Yes	No	No
Gross Leak, TM 1014	Yes (No Bomb)	Yes	Yes	Yes	No	No
XRAY, TM 2012	No	No	Yes	Yes	No	No
External Visual, TM 2009	Yes Sample	Yes	Yes	Yes	Yes Sample	Yes Sample
Periodic Inspection	No	PI Note	PI Note	Yes (QCI)	No	PI Note

QML Note: MSK has QML tested over 50 product types and has many processes and materials QML qualified. Contact MSK for latest QML status for specific products.

Periodic Inspection Note: Contact MSK for latest Periodic Inspection (Group C) status for specific products. In-line Group A, B and D performed.

Additional screening and testing available upon request.