Qualification Test Report

Date: July 30, 2024

Title: Qualification of Mold Compound KMC3580LVA in Leaded Packages at CVT

Reason for choosing the following test vehicles:	**Package BOM variations**
Scope of qualifications:	**TSOP, TQFP Packages**
Assessment of Q-Results:	**Pass**
QTP # :	**202305007, 202304011, 202305012**

Stress Test	Abbreviation	Test Condition	Readout	ZW44A TV 1/2/3	ZW44A TV 1/2/3	AZ0AA TV1/2/3
				fails / stressed	fails / stressed	fails / stressed
PRE CONDITIONING JESD22 -A113	PC	24HRS_125°C 260°C -0 / +5°C MSL3_30°C / 60%RH for 192 hrs	COMP	0/720	0/555	0/554
TEMP CYCLE JESD22-A104, JESD47	TCT	C -65°C to 150°C	500 cycles	0/240	0/240	0/239
BIASED HAST JESD22-A110	HAST	130°C/ 85%RH	96 hrs	0/240	0/75	0/75
AUTOCLAVE JESD22-A102	AC	121°C/ 100%RH	96 hrs	0/240	0/240	0/240
HIGH TEMP STORAGE LIFE JESD22-A103 & A113	HTSL	150°C	500 hrs	0/80	-	0/80
Wire Bond Pull JESD22-B120	BPS	Per JEDEC	30 bonds from 5 devices	0/30	0/30	0/30
Bond Shear JESD22-B116	BS	Per JEDEC	30 bonds from 5 devices	0/30	0/30	0/30
HIGH TEMPERATURE OPERATING LIFE JESD22-A108	HTOL	125°C	1000 hrs	0/240	-	-
HIGH TEMPERATURE OPERATING LIFE JESD22-A108	HTOL	150° C	500 hrs		-	0/116

Document History Page

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Rev.	ECN No.	Orig. of Change	Description of Change
**	8058556	BAKC	Initial Release.
*A	8085544	BAKC	Modify Report Title.
*B	8091108	BAKC	Update Full Mold Compound Naming.