



### UNISEM SOT-23 and TSOT-23 Lead Free Package

High Temperature Storage Life + 150 deg C, 1000 hours										
Device	Lot No	Pkg	MSL Soak	Peak Temp	Plating	Date Code	SS	# Reject	Duration	Total Hrs.
MIC2005A YM5	8A30678MNU	SOT-23-6	L1	+260C	NiPdAu	0837	40	0	1000	40000
MIC2007 YM6	4A48052MNU	SOT-23-6	L1	+260C	NiPdAu	0837	50	0	1000	50000
MIC2514 YM5	246755M62	SOT-23-5	L1	+260C	NiPdAu	0818	76	0	1000	76000
MIC5255 3.0YM5	6A23007M70	SOT-23-5	L1	+260C	NiPdAu	0806	76	0	1000	76000
MIC2514 YM5	247494M01	SOT-23-5	L1	+260C	Sn	0649	76	0	1000	76000
MIC280 0YM6	CG68290MEA	SOT-23-6	L1	+260C	Sn	0647	76	0	1000	76000
MIC2005M 0.5YM6	5A26083MND	SOT-23-6	n/a	n/a	Sn	0539	75	0	1000	75000
MIC2007 YM6	4A48052MNU	SOT-23-6	n/a	n/a	Sn	0521	76	0	1000	76000
MIC2013 1.2YM5	4A48052MNM	SOT-23-5	n/a	n/a	Sn	0520	74	0	1000	74000
MIC5205 3.0YM5	4A44515EA	SOT-23-5	n/a	n/a	Sn	0519	76	0	1000	76000
MIC2016 1.2YM6	4A48006MNA	SOT-23-6	n/a	n/a	Sn	0510	76	0	1000	76000
MIC5301 2.8YD5	6A03184MNU	TSOT-23-5	L1	+260C	Sn	0646	76	0	1000	76000
MIC5307 1.5YD5	6A14750MND	TSOT-23-5	L1	+260C	Sn	0644	76	0	1000	76000
MIC5259 3.3YD5	5A36162M02	TSOT-23-5	L1	+260C	Sn	0548	76	0	1000	76000
MIC5255 3.3YD5	5A12667MEA	TSOT-23-5	n/a	n/a	NiPdAu	0537	76	0	1000	76000
MIC3287A 24YD6	5A20479MNH	TSOT-23-6	n/a	n/a	Sn	0527	76	0	1000	76000
MIC3287 YD6	5A09903MNF	TSOT-23-6	n/a	n/a	Sn	0520	76	0	1000	76000
MIC2296 YD5	4A18916MNL	TSOT-23-5	n/a	n/a	Sn	0508	68	0	1000	68000
MIC5265 2.5YD5	4A09862MNM	TSOT-23-5	n/a	n/a	Sn	0505	71	0	1000	71000
							1366	0		1366000

**Pre-conditioning Test 3X Reflow Cycles**

Device	Lot No	Pkg	MSL Soak	Peak Temp	Plating	Date Code	SS	# Reject
MIC2005A YM5	8A30678MNU	SOT-23-6	PREC.L1	+260C	NiPdAu	0837	220	0
MIC2007 YM6	4A48052MNW	SOT-23-6	PREC.L1	+260C	NiPdAu	0837	140	0
MIC5205 3.0YM5	7A05630M02	SOT-23-5	PREC.L1	+260C	NiPdAu	0806	100	0
MIC5255 3.0YM5	6A23007M70	SOT-23-5	PREC.L1	+260C	NiPdAu	0806	221	0
MIC2514 YM5	247491M01	SOT-23-5	PREC.L1	+260C	Sn	0649	211	0
MIC280 0YM6	CG68290MEA	SOT-23-6	PREC.L1	+260C	Sn	0647	211	0
MIC2005M 0.5YM6	5A26083MND	SOT-23-6	PREC.L1	+260C	Sn	0539	90	0
MIC2007 YM6	4A48052MNW	SOT-23-6	PREC.L1	+260C	Sn	0521	90	0
MIC2013 1.2YM5	4A48052MNM	SOT-23-5	PREC.L1	+260C	Sn	0520	90	0
MIC5205 3.0YM5	4A44515EA	SOT-23-5	PREC.L1	+260C	Sn	0519	145	0
MIC5256 3.0YM5	4A44609M01	SOT-23-5	PREC.L1	+260C	Sn	0513	90	0
MIC2016 1.2YM6	4A48006MNA	SOT-23-6	PREC.L1	+260C	Sn	0510	90	0
MIC5301 2.8YD5	6A03184MNW	TSOT-23-5	PREC.L1	+260C	Sn	0646	295	0
MIC5307 1.5YD5	6A14750MND	TSOT-23-5	PREC.L1	+260C	Sn	0644	166	0
MIC5232 1.2YD5	5A19419MNE	TSOT-23-5	PREC.L1	+260C	Sn	0549	90	0
MIC5259 3.3YD5	5A36162M02	TSOT-23-5	PREC.L1	+260C	Sn	0548	211	0
MIC5255 3.3YD5	5A12667MEA	TSOT-23-5	PREC.L1	+260C	NiPdAu	0537	145	0
MIC3287A 24YD6	5A20479MNH	TSOT-23-6	PREC.L1	+260C	Sn	0527	90	0
MIC3287 YD6	5A09903MNF	TSOT-23-6	PREC.L1	+260C	Sn	0520	90	0
MIC2296 YD5	4A18916MNL	TSOT-23-5	PREC.L1	+260C	Sn	0508	135	0
MIC5265 2.5YD5	4A09862MNM	TSOT-23-5	PREC.L1	+260C	Sn	0505	135	0

3055	0
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**Pressure Pot (Autoclave) +121 deg C , 100%rh duration 168 hrs**

Device	Lot No	Pkg	Plating	Date Code	SS	# Reject	Dev. Hrs.
MIC2005A YM5	8A30678MNU	SOT-23-6	NiPdAu	0837	45	0	7560
MIC2007 YM6	8A5500	SOT-23-6	NiPdAu	0837	45	0	7560
MIC2514 YM5	246755M62	SOT-23-5	NiPdAu	0818	45	0	7560
MIC5205 3.0YM5	7A05630M02	SOT-23-5	NiPdAu	0806	45	0	7560
MIC5255 3.0YM5	6A23007M70	SOT-23-5	NiPdAu	0806	45	0	7560
MIC2514 YM5	247494M01	SOT-23-5	Sn	0649	45	0	7560
MIC280 0YM6	CG68290MEA	SOT-23-6	Sn	0647	45	0	7560
MIC2005M 0.5YM6	5A26083MND	SOT-23-6	Sn	0539	45	0	7560
MIC2007 YM6	4A48052MNW	SOT-23-6	Sn	0521	45	0	7560
MIC2013 1.2YM5	4A48052MNM	SOT-23-5	Sn	0520	45	0	7560
MIC5205 3.0YM5	4A44515EA	SOT-23-5	Sn	0519	45	0	7560
MIC5256 3.0YM5	4A44609M01	SOT-23-5	Sn	0513	45	0	7560
MIC2016 1.2YM6	4A48006MNA	SOT-23-6	Sn	0510	45	0	7560
MIC5301 2.8YD5	6A03184MNW	TSOT-23-5	Sn	0646	45	0	7560
MIC5307 1.5YD5	6A14750MND	TSOT-23-5	Sn	0644	45	0	7560
MIC5232 1.2YD5	5A19419MNE	TSOT-23-5	Sn	0549	45	0	7560
MIC5259 3.3YD5	5A36162M02	TSOT-23-5	Sn	0548	45	0	7560
MIC5255 3.3YD5	5A12667MEA	TSOT-23-5	NiPdAu	0537	45	0	7560
MIC3287A 24YD6	5A20479MNH	TSOT-23-6	Sn	0527	45	0	7560
MIC3287 YD6	5A09903MNF	TSOT-23-6	Sn	0520	45	0	7560
MIC2296 YD5	4A18916MNL	TSOT-23-5	Sn	0508	45	0	7560
MIC5265 2.5YD5	4A09862MNM	TSOT-23-5	Sn	0505	45	0	7560

1035	0	173880
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**Temperature Cycle + 150 deg C to - 65 deg C duration 1000 cycle**

Device	Lot No	Pkg	Plating	Date Code	SS	# Reject	Cycles
MIC2005A YM5	8A30678MNU	SOT-23-6	NiPdAu	0837	45	0	45000
MIC2007 YM6	8A5500	SOT-23-6	NiPdAu	0837	45	0	45000
MIC2514 YM5	246755M62	SOT-23-5	NiPdAu	0818	45	0	45000
MIC5205 3.0YM5	7A05630M02	SOT-23-5	NiPdAu	0806	45	0	45000
MIC5255 3.0YM5	6A23007M70	SOT-23-5	NiPdAu	0806	45	0	45000
MIC2514 YM5	247494M01	SOT-23-5	Sn	0649	45	0	45000
MIC280 0YM6	CG68290MEA	SOT-23-6	Sn	0647	45	0	45000
MIC809 RUY	DA85074M01	SOT-23-3	Sn	0606	100	0	100000
MIC7111 YM5	5A27201MEB	SOT-23-5	Sn	0543	45	0	45000
MIC2005M 0.5YM6	5A26083MND	SOT-23-6	Sn	0539	45	0	45000
MIC2007 YM6	4A48052MNW	SOT-23-6	Sn	0521	45	0	45000
MIC2013 1.2YM5	4A48052MNM	SOT-23-5	Sn	0520	45	0	45000
MIC5205 3.0YM5	4A44515EA	SOT-23-5	Sn	0519	45	0	45000
MIC5256 3.0YM5	4A44609M01	SOT-23-5	Sn	0513	45	0	45000
MIC2016 1.2YM6	4A48006MNA	SOT-23-6	Sn	0510	45	0	45000
MIC5301 2.8YD5	6A03184MNW	TSOT-23-5	Sn	0646	45	0	45000
MIC5307 1.5YD5	6A14750MND	TSOT-23-5	Sn	0644	45	0	45000
MIC5232 1.2YD5	5A19419MNE	TSOT-23-5	Sn	0549	45	0	45000
MIC5259 3.3YD5	5A36162M02	TSOT-23-5	Sn	0548	45	0	45000
MIC5255 3.3YD5	5A12667MEA	TSOT-23-5	NiPdAu	0537	45	0	45000
MIC3287A 24YD6	5A20479MNH	TSOT-23-6	Sn	0527	45	0	45000
MIC3287 YD6	5A09903MNF	TSOT-23-6	Sn	0520	44	0	44000
MIC2296 YD5	4A18916MNL	TSOT-23-5	Sn	0508	45	0	45000
MIC5265 2.5YD5	4A09862MNM	TSOT-23-5	Sn	0505	45	0	45000

1134	0	1134000
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**Bias Moisture Life Test (THBT) + 85 deg C , 85% rh duration 1000 hrs**

Device	Lot No	Pkg	Plating	Date Code	SS	# Reject	Dev. Hrs.
MIC5259	3.3YD5	5A36162M02	TSOT-23-5 Sn	0548	45	0	45000
MIC5255	3.3YD5	5A12667MEA	TSOT-23-5 NiPdAu	0537	41	0	41000
MIC2296	YD5	4A18916MNL	TSOT-23-5 Sn	0508	45	0	45000
MIC5265	2.5YD5	4A09862MNM	TSOT-23-5 Sn	0505	45	0	45000
MIC2005A	1YM6	8A30678MNU	SOT-23-6 NiPdAu	0837	45	0	45000
MIC5255	3.0YM5	6A23007M70	SOT-23-5 NiPdAu	0806	45	0	45000
MIC2514	YM5	247494M01	SOT-23-5 Sn	0649	45	0	45000
MIC2514	YM5	246755M62	SOT-23-5 NiPdAu	0818	45	0	45000

356

0

356000