



Micrel TO-263, TO-220, TO-252 Power Packages

High Temperature Operating Life +125 deg C, 1000 hours								Stress Hrs.	Stress Hrs.	Stress Hrs.
Device	D/C	Lot No	Pkg	M/C	Assem. Loc	Fab	SS	168 H	1.0 KH	2.0 KH
MIC29302	WU	0922	9A15518MEA	TO-263-5L	E500	UNISEM	BCDM	77	0/77	0/77
MIC37302	WU	0911	8A49873MEA	TO-263-5L	E500	UNISEM	BCDM	77	0/77	0/77
MIC29302	WU	0906	8A09102MET	TO-263-5L	E500	UNISEM	BCDM	75	0/75	0/75
MIC29302	WU	0837	8A17114MEA	TO-263-5L	G600	GTBF	BCDM	77	0/77	0/77
MIC29302	WU	0836	8A07749MEA	TO-263-5L	G600	GTBF	BCDM	77	0/77	0/77
MIC37302	WU	0834	7A45039MEA	TO-263-5L	G600	GTBF	BCDM	77	0/77	0/77
MIC47300	WD	0922	8A11372M80	TO-252-5L	G600	GTBF	BCD2	77	0/77	0/77
MIC29152	WD	0920	9A04613MEA	TO-252-5L	G600	GTBF	BCD2	76	0/76	0/76
MIC39152	WD	0920	7A40206MEA	TO-252-5L	G600	GTBF	BCD2	77	0/77	0/77
MIC35302	WD	0920	7A31835MSE	TO-252-5L	G600	GTBF	BCD2	77	0/77	0/77
MIC29302	WT	0906	8A09103MEQ	TO-220-5L	E500	UNISEM	BCDM	75	0/75	0/75

Reliability Pre-conditioning Test Sequence > bake +125C 24H > Soak 60C/60RH 40H > +260C peak 3x IR Reflow Cycles										
Device	D/C	Lot No	Pkg	MSL Soak	Peak Temp	M/C	Assem. Loc	SS	# Reject	
MIC29302	WU	0922	9A15518MEA	TO-263-5L	L3	+260C +0/-5C	E500	UNISEM	223	0
MIC37302	WU	0911	8A49873MEA	TO-263-5L	L3	+260C +0/-5C	E500	UNISEM	228	0
MIC29302	WU	0906	8A09102MET	TO-263-5L	L3	+260C +0/-5C	E500	UNISEM	228	0
MIC29302	WU	0851	8A38640MEB	TO-263-5L	L3	+260C +0/-5C	E500	UNISEM	253	0
MIC29302	WU	0837	8A17114MEA	TO-263-5L	L3	+260C +0/-5C	G600	GTBF	300	0
MIC29302	WU	0836	8A07749MEA	TO-263-5L	L3	+260C +0/-5C	G600	GTBF	300	0
MIC37302	WU	0834	7A45039MEA	TO-263-5L	L3	+260C +0/-5C	G600	GTBF	300	0
MIC5295	3.3YD	0932	9A15571MEA	TO-252-5L	L3	+260C +0/-5C	G600	UNISEM	235	0
MIC47300	WD	0922	8A11372M80	TO-252-5L	L3	+260C +0/-5C	G600	GTBF	233	0
MIC29152	WD	0920	9A04613MEA	TO-252-5L	L3	+260C +0/-5C	G600	GTBF	233	0
MIC35302	WD	0920	7A31835MSE	TO-252-5L	L3	+260C +0/-5C	G600	GTBF	211	0
MIC39152	WD	0920	7A40206MEA	TO-252-5L	L3	+260C +0/-5C	G600	GTBF	230	0

High Temperature Storage Life Test Ta = +150 deg C

Device	D/C	Lot No	Pkg	MSL Soak	M/C	Assem. Loc	Fab	SS	# Reject	Stress Hrs.	
MIC37302	WU	0911	8A49873MEA	TO-263-5L	L3	E500	UNISEM	BCDM	76	0	2000
MIC29302	WU	0851	8A38640MEB	TO-263-5L	L3	E500	UNISEM	BCDM	76	0	2000
MIC29392	WU	0837	8A17114MEA	TO-263-5L	L3	G600	GTBF	BCDM	74	0	2000
MIC29302	WU	0906	8A09102MET	TO-263-5L	L3	E500	UNISEM	BCDM	76	0	2000
MIC29302	WU	0836	8A07749MEA	TO-263-5L	L3	G600	GTBF	BCDM	75	0	2000
MIC37302	WU	0834	7A45039MEA	TO-263-5L	L3	G600	GTBF	BCDM	69	0	2000
MIC5295	3.3YD	0932	9A15571MEA	TO-252-5L	L3	G600	UNISEM	BCC	76	0	1000
MIC47300	WD	0922	8A11372M80	TO-252-5L	L3	G600	GTBF	BCD2	76	0	1000
MIC29152	WD	0920	9A04613MEA	TO-252-5L	L3	G600	GTBF	BCD2	76	0	2000
MIC39152	WD	0920	7A40206MEA	TO-252-5L	L3	G600	GTBF	BCD2	76	0	2000
MIC35302	WD	0920	7A31835MSE	TO-252-5L	L3	G600	GTBF	BCD2	76	0	2000
MIC29302	WT	0906	8A09103MEQ	TO-220-5L	NOPREC	E500	UNISEM	BCDM	76	0	2000

Temperature Cycle +150 deg C to -65 deg C (air to air)

Device	D/C	Lot No	Pkg	MSL Soak	M/C	Assem. Loc	Fab	SS	# Reject	Cycles	
MIC29302	WU	0922	9A15518MEA	TO-263-5L	L3	E500	UNISEM	BCDM	45	0	1000
MIC37302	WU	0911	8A49873MEA	TO-263-5L	L3	E500	UNISEM	BCDM	45	0	1000
MIC29302	WU	0906	8A09102MET	TO-263-5L	L3	E500	UNISEM	BCDM	45	0	1000
MIC29302	WU	0851	8A38640MEB	TO-263-5L	L3	E500	UNISEM	BCDM	45	0	1000
MIC29302	WU	0837	8A17114MEA	TO-263-5L	L3	G600	GTBF	BCDM	45	0	1000
MIC29302	WU	0836	8A07749MEA	TO-263-5L	L3	G600	GTBF	BCDM	45	0	1000
MIC37302	WU	0834	7A45039MEA	TO-263-5L	L3	G600	GTBF	BCDM	45	0	1000
MIC5295	3.3YD	0932	9A15571MEA	TO-252-5L	L3	G600	UNISEM	BCC	45	0	1000
MIC47300	WD	0922	8A11372M80	TO-252-5L	L3	G600	GTBF	BCD2	45	0	1000
MIC29152	WD	0920	9A04613MEA	TO-252-5L	L3	G600	GTBF	BCD2	45	0	1000
MIC39152	WD	0920	7A40206MEA	TO-252-5L	L3	G600	GTBF	BCD2	45	0	1000
MIC35302	WD	0920	7A31835MSE	TO-252-5L	L3	G600	GTBF	BCD2	45	0	1000
MIC29302	WT	0906	8A09103MEQ	TO-220-5L	NOPREC	E500	UNISEM	BCDM	45	0	1000

Bias Moisture Life Test + 85 deg C 85% RH

Device	D/C	Lot No	Pkg	MSL Soak	M/C	Assem. Loc	Fab	SS	# Reject	Stress Hrs.	
MIC37302	WU	0911	8A49873MEA	TO-263-5L	L3	E500	UNISEM	BCDM	45	0	1000
MIC29302	WU	0906	8A09102MET	TO-263-5L	L3	E500	UNISEM	BCDM	45	0	1000
MIC29302	WU	0851	8A38640MEB	TO-263-5L	L3	E500	UNISEM	BCDM	77	0	1000
MIC29302	WU	0837	8A17114MEA	TO-263-5L	L3	G600	GTBF	BCDM	45	0	1000
MIC29302	WU	0836	8A07749MEA	TO-263-5L	L3	G600	GTBF	BCDM	45	0	1000
MIC37302	WU	0834	7A45039MEA	TO-263-5L	L3	G600	GTBF	BCDM	45	0	1000
MIC5295	3.3YD	0932	9A15571MEA	TO-252-5L	L3	G600	GTBF	BCC	45	0	
MIC47300	WD	0922	8A11372M80	TO-252-5L	L3	G600	GTBF	BCD2	45	0	1000
MIC29152	WD	0920	9A04613MEA	TO-252-5L	L3	G600	GTBF	BCD2	45	0	1000
MIC39152	WD	0920	7A40206MEA	TO-252-5L	L3	G600	GTBF	BCD2	45	0	1000
MIC35302	WD	0920	7A31835MSE	TO-252-5L	L3	G600	GTBF	BCD2	45	0	1000
MIC29302	WT	0906	8A09103MEQ	TO-220-5L	NOPREC	E500	UNISEM	BCDM	45	0	1000

Pressure Pot (Autoclave) +121 deg C , 100% RH

Device	D/C	Lot No	Pkg	MSL Soak	M/C	Assem. Loc	Fab	SS	# Reject	Stress Hrs.	
MIC29302	WU	0922	9A15518MEA	TO-263-5L	L3	E500	UNISEM	BCDM	45	0	168
MIC37302	WU	0911	8A49873MEA	TO-263-5L	L3	E500	UNISEM	BCDM	45	0	168
MIC29302	WU	0906	8A09102MET	TO-263-5L	L3	E500	UNISEM	BCDM	45	0	168
MIC29302	WU	0851	8A38640MEB	TO-263-5L	L3	E500	UNISEM	BCDM	45	0	168
MIC29302	WU	0837	8A17114MEA	TO-263-5L	L3	G600	GTBF	BCDM	45	0	168
MIC29302	WU	0836	8A07749MEA	TO-263-5L	L3	G600	GTBF	BCDM	45	0	168
MIC37392	WU	0834	7A45039MEA	TO-263-5L	L3	G600	GTBF	BCDM	45	0	168
MIC5295	3.3YD	0932	9A15571MEA	TO-252-5L	L3	G600	UNISEM	BCC	45	0	168
MIC47300	WD	0922	8A11372M80	TO-252-5L	L3	G600	GTBF	BCD2	45	0	168
MIC29152	WD	0920	9A04613MEA	TO-252-5L	L3	G600	GTBF	BCD2	45	0	168
MIC39152	WD	0920	7A40206MEA	TO-252-5L	L3	G600	GTBF	BCD2	45	0	168
MIC35302	WD	0920	7A31835MSE	TO-252-5L	L3	G600	GTBF	BCD2	45	0	168
MIC29302	WT	0906	8A09103MEQ	TO-220-5L	NOPREC	E500	UNISEM	BCDM	45	0	168

Report Notes

Halogen Free Mold Compound
100% Matte Tin Lead Finish
W = Soft Solder Die Attach
Y = Epoxy Die Attach