



BCD 0.5 micron Process
OPERATING LIFE @ TA = +125C at max Operating Voltage

Device	Lot #	Package	Lds	Vcc	Qty	Act Hrs	Fails	Act Hrs	Fails	Act Hrs	Fails	Total Dev. Hrs
MIC2026A-1YM	8A37508MNR	SOIC	8	+5.5V	77	168	0	1000	0			77000
MIC2076A-1YM	8A13348MNG	SOIC	8	+5.5V	77	168	0	1000	0			77000
MIC2076A-2YM	9A13349MNF	SOIC	8	+5.5V	77	168	0	1000	0			77000
MIC2076A-2YM	8A37509MNF	SOIC	8	+5.5V	77	168	0	1000	0			77000
MIC2102 YML	AA31808MND	MLF33Q	16	+75V	77	168	0	1034	0	2000	0	154000
MIC2103 YML	AA37371MNC	MLF33Q	16	+75V	77	161	0	1000	0	2000	0	154000
MIC2124YMM	9A16638MNG	MSOP	10	+5.5V	77	168	0	1000	0			77000
MIC2124YMM	9A16639MNG	MSOP	10	+5.5V	77	168	0	1000	0			77000
MIC2150 YML	6A16004MNI	MLF44Q	24	+14.5V	77	168	0	1000	0	2000	0	154000
MIC2150 YML	6A19406MNI	MLF44Q	24	+14.5V	77	168	0	1000	0			77000
MIC2150 YML	6A28541MNA	MLF44Q	24	+14.5V	57	168	0	1000	0	2000	0	114000
MIC2151 YML	6A19406MNA	MLF44Q	24	+14.5V	56	168	0	1000	0	2000	0	112000
MIC2155 YML	7A25996MNB	MLF44Q	32	+14.5V	60	168	0	1000	0			60000
MIC2155 YML	8A02126MNC	MLF44Q	32	+14.5V	60	168	0	1000	0			60000
MIC2156 YML	8A15890MNH	MLF44Q	32	+14.5V	60	168	0	1000	0			60000
MIC2156 YML	8A02126MNI	MLF44Q	32	+14.5V	60	168	0	1000	0			60000
MIC2164 2YMM	8A45540MNC	MSOP	10	+5.5V	77	168	0	1000	0			77000
MIC2164 3YMM	8A35405MNM	MSOP	10	+5.5V	77	168	0	1000	1	EOS		77000
MIC2164 YMM	8A35404MNM	MSOP	10	+5.5V	77	168	0	1000	0			77000
MIC2164 YMM	8A35404MNO	MSOP	10	+5.5V	77	168	0	469	0	1000	0	77000
MIC2164 YMM	8A17173MNA	MSOP	10	+5.5V	77	168	0					12936
MIC2165 YMME	0A39117MNI	MSOP	10	+28.0V	40	327	0	1000	0	2000	0	80000
MIC2165 YMME	9A25567MNP	MSOP	10	+28.0V	77	168	0	1065	0			82005
MIC2166 YMME	0A50500MND	MSOP	10	+28.0V	77	327	0	1000	0	2000	0	154000
MIC2166 YMME	9A25567MNO	MSOP	10	+28.0V	77	251	0	1316	0			101332
MIC2174 1YMM	8A45540MNZ	MSOP	10	+5.5V 40V	77	168	0	1022	0			78694
MIC2174 1YMM	8A45539MNC	MSOP	10	+5.5V 40V	77	168	0	1000	0			77000
MIC2174 1YMM	8A35405MND	MSOP	10	+5.5V 40V	77	168	0	1000	0			77000
MIC2174 1YMM	8A45539MNH	MSOP	10	+5.5V 40V	76	168	0	1033	0	2000	0	152000
MIC2176 1YMM	0A06575MND	MSOP	10	+5.5V 75V	77	255	0	1000	0	2000	0	154000
MIC2176 3YMM	9A47817MNL	MSOP	10	+5.5V 72V	77	168	0	1000	0	2000	0	154000
MIC2176 2YMM	9A47818MND	MSOP	10	+5.5V 60V	77	255	0	1050	0			80850
MIC2230 AAYML	AA05724M02	MLF33D	12	+5.5V	60	168	0	1000	0	2000	0	120000
MIC2230 AAYML	AA03495M11	MLF33D	12	+5.5V	60	168	0	1000	0	2000	0	120000
MIC2230 AAYML	9A17707MEB	MLF33D	12	+5.5V	77	168	0	1000	0	2000	0	154000
MIC2230 AAYML	8A42183MQA	MLF33D	12	+5.5V	77	199	0	1153	0			88781
MIC2230 G4YML	8A22792MEE	MLF33D	12	+5.5V	60	168	0	1000	0			60000
MIC2230 G4YML	8A22792MEA	MLF33D	12	+5.5V	60	168	0	1000	0			60000
MIC2230 SSYML	8A17198MEC	MLF33D	12	+5.5V	77	168	0	1000	0			77000
MIC2230 GFHYML	7A18138MSE	MLF33D	12	+5.5V	60	168	0	1000	0			60000
MIC2230 GFHYML	7A16821MSB	MLF33D	12	+5.5V	60	168	0	1000	0			60000
MIC2230 GFHYML	7A16821MSB	MLF33D	12	+5.5V	77	145	0	1000	0			77000
MIC2230 YML	6A51880MND	MLF33D	12	+5.5V	60	168	0	1000	0			60000
MIC2238 J4YML	8A10205MNA	MLF33D	12	+5.5V	77	230	0	1000	0	2000	0	154000
MIC2238 YML	6A42514MNN	MLF33D	12	+5.5V	60	168	0	1000	0			60000

MIC2238 YML	6A31929MNC	MLF33D	12	+5.5V	60	168	0	1000	0			60000
MIC2238 YML	6A36682MNC	MLF33D	12	+5.5V	60			1000	0			60000
MIC2267 YML	0A14635MND	MLF33D	12	+5.5V	77	168	0	1000	0	2000	0	154000
MIC2267 YML	0A14637MNF	MLF33D	12	+5.5V	77	182	0	1000	0	2000	0	154000
MIC2358 YLQ	Z9A40005MNA	TQFP	64	+5.5V	77	168	0	1000	0			77000
MIC24420 YML	0A45843MNA	MLF44Q	24	+16V	77	166	0	1000	0			77000
MIC24420 YML	0A45843MNF	MLF44Q	24	+16V	57	180	0	1000	0			57000
MIC24420 YML	0A45348MNA	MLF44Q	24	+16V	56	230	0	1000	0			56000
MIC24421 YML	0A45845MNZ	MLF44Q	24	+16V	56	180	0	1000	0			56000
MIC25400 YML	0A23839MNA	MLF44Q	24	+16V	77	168	0	1000	0	2000	0	154000
MIC26400 YJL	9A31156MNCC	MLF56Q	28	+5.5V 26V	39	168	0	500	0	1000	0	39000
MIC26950 YJL	9A31125MNO	MLF56Q	28	+5.5V 26V	39	168	0	500	0	1013	0	39507
MIC26950 YJL	9A31155MNG	MLF56Q	28	+5.5V 26V	77	180	1	1000	0	2000	0	154000
							EOS					
MIC27400 YJL	9A31157MNC	MLF56Q	28	+5.5V 36V	39	138	0	1000	0			39000
MIC27600 YJL	9A31157MNW	MLF56Q	28	+5.5V 36V	39	138	0	1000	0	2000	0	78000
MIC28500YJL	9A47817MNR	MLF56Q	28	+5.5V	60	207	0	441	0	1000	0	60000
MIC28500YJL	Z9A47818MNG	MLF56Q	28	+76.0V	77	182	0	1000	0	2000	0	154000
MIC28500YJL	0A06575MNEE	MLF56Q	28	+5.5V	60	207	0	441	0	1000	0	60000
MIC28500YJL	9A47817MNR	MLF56Q	28	+5.5V	77	168	0	458	0			35266
MIC38300 HYHL	9A20106	MLF46Q	28	+5.5V	77	168	0	1000	0	2000	0	154000
MIC38300 HYHL	6A47328MNI	MLF46Q	28	+5.5V	60	168	0	1000	0			60000
MIC38300 HYHL	6A29737MNJ	MLF46Q	28	+5.5V	60	168	0	1000	0			60000
MIC38300 HYHL	6A46209MNP	MLF46Q	28	+5.5V	77	168	0	1000	0			77000
MIC28300 HYML	6A46209MNH	MLF44Q	16	+5.5V	77	168	0	1000	0			77000
MIC59150YME	8A00004MNF	Ep-SOIC	8	+5.5V	77	168	0	1000	0	2000	0	154000
MIC59150YME	8A00003MNA	Ep-SOIC	8	+5.5V	77	168	0	1000	0			77000
MIC59150YME	8A00005MNC	Ep-SOIC	8	+5.5V	77	168	0	1000	0			77000
MIC59300 1.2YME	7A45019MND	Ep-SOIC	8	+5.5V	77	168	0	1000	0			77000
MIC59300 YME	7A50044MNF	Ep-SOIC	8	+5.5V	77	168	0	1000	0			77000
MIC59300 YME	7A45020MNE	Ep-SOIC	8	+5.5V	77	168	0	1000	0			77000
MIC59300 YME	7A45020MNP	Ep-SOIC	8	+5.5V	77	168	0	1000	0			77000
MIC59300 YME	7A26200MNI	Ep-SOIC	8	+5.5V	77	168	0	1000	0			77000
MIC61300 YMME	9A41207MNM	E-MSOP	10	+3.6V	77	168	0	1000	0			77000
MIC61300 1.0YMME	9A41207MNC	E-MSOP	10	+3.6V	76	168	0					12768
MIC61150 1.0YMME	9A41206MNE	E-MSOP	10	+3.6V	77	168	0	1000	0			77000
MIC61150 YMME	9A14424MNB	E-MSOP	10	+3.6V	77	168	0	1000	0	1681	0	129437
MIC61300 YMME	9A14423MNA	E-MSOP	10	+3.6V	75	168	0					12600
MIC61150 YMME	9A14422MNC	E-MSOP	10	+3.6V	77	168	0	1000	0			77000
MIC61150 1.0YMME	9A14422MNB	E-MSOP	10	+3.6V	77	168	0					12936

Totals =						5789	0	0				7213112
-----------------	--	--	--	--	--	-------------	----------	----------	--	--	--	----------------

**Average Failure Rate, 60% Confidence, Ta = 55C, Ea = 0.7eV
1.6 FIT (Failures in Time) or MTBF = 6.14 X 10E8 hours**

BCD 0.5 PRODUCT LIST

MIC2026A	USB SWITCH
MIC2076A	DUAL USB SWITCH
MIC2150	BUCK CONTROLLER
MIC2151	BUCK CONTROLLER

MIC2155	DUAL BUCK CONTROLLER
MIC2156	DUAL BUCK CONTROLLER
MIC2164	PWM Buck
MIC2165	Low Cost Current Mode Controller w/ hyperlight load
MIC2166	Adaptive on-time DC-DC controller
MIC2174	40V sync Buck Frequency options
MIC2176	72V sync Buck Frequency options
MIC2230	Dual sync 800mA/800mA step down DC-DC Regulator
MIC2358	Octal PSE Power Controller
MIC24200	Wide Input Range Synch Buck Reg
MIC25400	2 Phase 2 Output PWM Synch Buck
MIC25401	PWM SYNC BUCK
MIC26400	4A 26V constant on-time MIC2164 PWM Buck
MIC26950	10A 26V constant on-time MIC2164 PWM Buck
MIC27400	4A 36V constant on-time MIC2164 PWM Buck
MIC27600	6A 36V constant on-time MIC2164 PWM Buck
MIC38300	3A High Efficiency Dropout Regulator
MIC59150	1.5A LDO
MIC59300	3A LDO
MIC61150	1.5A ULTRA LOW Vin LDO
MIC61300	3.0A ULTRA LOW Vin LDO
MIC48150	1.5A 12V high efficiency LDO
MIC960XX	16V high side load switches
MIC2124	3.3V to 28V Input Sync Buck Controller
MIC48150	1.5A 12V high efficiency LDO
MIC960XX	16V high side load switches
MIC2124	3.3V to 28V Input Sync Buck Controller