

T-11-07

MOTOROLA
SEMICONDUCTOR
TECHNICAL DATA

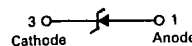
THERMAL CHARACTERISTICS

Characteristic	Symbol	Max	Unit
Total Device Dissipation FR-5 Board,* T _A = 25°C	P _D	225	mW
Derate above 25°C		1.8	mW/°C
Thermal Resistance Junction to Ambient	R _{θJA}	556	°C/mW
Total Device Dissipation Alumina Substrate,** T _A = 25°C	P _D	300	mW
Derate above 25°C		2.4	mW/°C
Thermal Resistance Junction to Ambient	R _{θJA}	417	°C/mW
Junction and Storage Temperature	T _J , T _{stg}	150	°C

*FR-5 = 1.0 x 0.75 x 0.62 in.

**Alumina = 0.4 x 0.3 x 0.024 in. 99.5% alumina.

MMBZ5226B
 thru
MMBZ5257B

 CASE 318-05, STYLE 8
 SOT-23 (TO-236AA/AB)
**ZENER DIODES**Pinout: 1-Anode, 2-NC, 3-Cathode (V_F = 0.9 V Max @ I_F = 10 mA for all types.)

Device	Marking	Test Current I _{ZT} mA	Zener Voltage V _Z (±5%) Nominal	Z _{ZK} I _Z = 0.25 mA Ω Max	Z _{ZT} I _Z = I _{ZT} @ 10% Mod Ω Max	Max I _R μA	@	V _R V
MMBZ5226B	8A	20	3.3	1600	28	25		1.0
MMBZ5227B	8B	20	3.6	1700	24	15		1.0
MMBZ5228B	8C	20	3.9	1900	23	10		1.0
MMBZ5229B	8D	20	4.3	2000	22	5.0		1.0
MMBZ5230B	8E	20	4.7	1900	19	5.0		2.0
MMBZ5231B	8F	20	5.1	1600	17	5.0		2.0
MMBZ5232B	8G	20	5.6	1600	11	5.0		3.0
MMBZ5233B	8H	20	6.0	1600	7.0	5.0		3.5
MMBZ5234B	8J	20	6.2	1000	7.0	5.0		4.0
MMBZ5235B	8K	20	6.8	750	5.0	3.0		5.0
MMBZ5236B	8L	20	7.5	500	6.0	3.0		6.0
MMBZ5237B	8M	20	8.2	500	8.0	3.0		6.5
MMBZ5238B	8N	20	8.7	600	8.0	3.0		6.5
MMBZ5239B	8P	20	9.1	600	10	3.0		7.0
MMBZ5240B	8Q	20	10	600	17	3.0		8.0
MMBZ5241B	8R	20	11	600	22	2.0		8.4
MMBZ5242B	8S	20	12	600	30	1.0		9.1
MMBZ5243B	8T	9.5	13	600	13	0.5		9.9
MMBZ5244B	8U	9.0	14	600	15	0.1		10
MMBZ5245B	8V	8.5	15	600	16	0.1		11
MMBZ5246B	8W	7.8	16	600	17	0.1		12
MMBZ5247B	8X	7.4	17	600	19	0.1		13
MMBZ5248B	8Y	7.0	18	600	21	0.1		14
MMBZ5249B	8Z	6.6	19	600	23	0.1		14
MMBZ5250B	81A	6.2	20	600	25	0.1		15
MMBZ5251B	81B	5.6	22	600	29	0.1		17
MMBZ5252B	81C	5.2	24	600	33	0.1		18
MMBZ5253B	81D	5.0	25	600	35	0.1		19
MMBZ5254B	81E	4.6	27	600	41	0.1		21
MMBZ5255B	81F	4.5	28	600	44	0.1		21
MMBZ5256B	81G	4.2	30	600	49	0.1		23
MMBZ5257B	81H	3.8	33	700	58	0.1		25