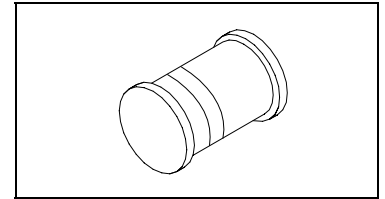




# HMM52 Series

ZENER DIODES



Device Type	Nominal Zener Voltage $V_z$ at $I_{zT}^*$ (V)	Test Current $I_{zT}$ (mA)	Maximum Zener Impedance		Typical Temperature Coefficient (%/°C)	Maximum Reverse Leakage Current		Maximum Regulator Current $I_{zM}$ (mA)
			$Z_{zT}$ at $I_{zT}$ ( $\Omega$ )	$Z_{zk}$ at $I_{zk}=0.25mA$ ( $\Omega$ )		$I_R$ ( $\mu A$ )	Test-Voltage suffix B (V)	
HMM5221B	2.4	20	30	1200	-0.085	100	1.0	191
HMM5222B	2.5	20	30	1250	-0.085	100	1.0	182
HMM5223B	2.7	20	30	1300	-0.080	75	1.0	168
HMM5224B	2.8	20	30	1400	-0.080	75	1.0	162
HMM5225B	3.0	20	29	1600	-0.075	50	1.0	151
HMM5226B	3.3	20	28	1600	-0.070	25	1.0	138
HMM5227B	3.6	20	24	1700	-0.065	15	1.0	126
HMM5228B	3.9	20	23	1900	-0.060	10	1.0	115
HMM5229B	4.3	20	22	2000	+0.055	5	1.0	106
HMM5230B	4.7	20	19	1900	+0.030	5	1.0	97
HMM5231B	5.1	20	17	1600	+0.030	5	2.0	89
HMM5232B	5.6	20	17	1600	+0.038	5	3.0	81
HMM5233B	6.0	20	7	1600	+0.038	5	3.5	76
HMM5234B	6.2	20	7	1000	+0.045	5	4.0	73
HMM5235B	6.8	20	5	750	+0.050	3	5.0	67
HMM5236B	7.5	20	6	500	+0.058	3	6.0	61
HMM5237B	8.2	20	8	500	+0.062	3	6.5	55
HMM5238B	8.7	20	8	600	+0.065	3	6.5	52
HMM5239B	9.1	20	10	600	+0.068	3	7.0	50
HMM5240B	10	20	17	600	+0.075	3	8.0	45
HMM5241B	11	20	22	600	+0.076	2	8.4	41
HMM5242B	12	20	30	600	+0.077	1	9.1	38
HMM5243B	13	9.5	13	600	+0.079	0.5	9.9	35
HMM5244B	14	9.0	15	600	+0.082	0.1	10	32
HMM5245B	15	8.5	16	600	+0.082	0.1	11	30
HMM5246B	16	7.8	17	600	+0.083	0.1	12	28
HMM5247B	17	7.4	19	600	+0.084	0.1	13	27
HMM5248B	18	7.0	21	600	+0.085	0.1	14	25
HMM5249B	19	6.6	23	600	+0.086	0.1	14	24
HMM5250B	20	6.2	25	600	+0.086	0.1	15	23
HMM5251B	22	5.6	29	600	+0.087	0.1	17	21.2
HMM5252B	24	5.2	33	600	+0.087	0.1	18	19.1
HMM5253B	25	5.0	35	600	+0.089	0.1	19	18.2
HMM5254B	27	4.6	41	600	+0.090	0.1	21	16.8
HMM5255B	28	4.5	44	600	+0.091	0.1	21	16.2
HMM5256B	30	4.2	49	600	+0.091	0.1	23	15.1
HMM5257B	33	3.8	58	700	+0.092	0.1	25	13.8
HMM5258B	36	3.4	70	700	+0.093	0.1	27	12.6
HMM5259B	39	3.2	80	800	+0.094	0.1	30	11.5



HMM5260B	43	3	93	900	+0.095	0.1	33	10.6
HMM5261B	47	2.7	150	1000	+0.095	0.1	36	9.7

Note : 1. Standard Voltage Tolerance is  $\pm 5\%$  and Suffix "A" for  $\pm 3\%$ , Suffix "B" for  $\pm 5\%$ , Suffix "C" for  $\pm 10\%$ , Suffix "D" for  $\pm 20\%$   
 2. \*Measured With Pulses  $T_p=40m$  Sec.

### Absolute Maximum Ratings

Characteristics	Symbol	Value	Unit
Zener Current see Table "Characteristics"			
Power Dissipation at $T_{amb}=25^\circ C$	$P_{tot}$	500*	mW
Junction Temperature	$T_j$	175	$^\circ C$
Storage Temperature Range	$T_s$	-65 to +175	$^\circ C$

\*Valid provided that leads at a distance of 10mm from case are kept at ambient temperature.

### Characteristics ( $T_{amb}=25^\circ C$ )

Characteristics	Symbol	Min	Typ	Max	Unit
Thermal Resistance Junction to Ambient Air	$R_{thA}$	-	-	0.3*	K/mW
Forward Voltage at $I_F=100mA$	$V_F$	-	-	1	V

\*Valid provided that leads at a distance of 10mm from case are kept at ambient temperature.

### Characteristics Curve

