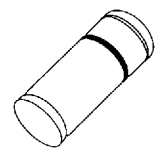
TEMPERATURE COMPENSATED ZENER DIODES

NEW SERIE



MINIMELF
(Glass)

ABSOLUTE RATINGS (limiting values)

Symbol	Parameter		Value	Unit
P_{tot}	Power Dissipation	T_{leads} = 50°C	0.4	W
T_{stg} T_j	Storage and Junction Temperature Range		– 65 to 175 – 55 to 175	°C °C
T_L	Maximum Temperature for Soldering during 15s		260	°C

THERMAL RESISTANCE

Symbol	Parameter	Value	Unit
$R_{th(j-l)}$	Junction-leads	300	°C/W

ELECTRICAL CHARACTERISTICS (T_{amb} = 25°C unless otherwise specified)

Types	V_{ZT} typ. (V)	R_{ZT} @ I_{ZT} max. (Ω)	(mA)	Test Temperatures (°C)					ΔV_Z* max. (mV)	αV_Z (10^{-6}/°C)
TMM821	6.2	15	7.5	– 55	0	+ 25	+ 75	+ 100	96	100
TMM823	6.2	15	7.5	– 55	0	+ 25	+ 75	+ 100	48	50
TMM825	6.2	15	7.5	– 55	0	+ 25	+ 75	+ 100	19	20
TMM827	6.2	15	7.5	– 55	0	+ 25	+ 75	+ 100	9	10
TMM829	6.2	15	7.5	– 55	0	+ 25	+ 75	+ 100	5	5
TMM821A	6.2	10	7.5	– 55	0	+ 25	+ 75	+ 100	96	100
TMM823A	6.2	10	7.5	– 55	0	+ 25	+ 75	+ 100	48	50
TMM825A	6.2	10	7.5	– 55	0	+ 25	+ 75	+ 100	19	20
TMM827A	6.2	10	7.5	– 55	0	+ 25	+ 75	+ 100	9	10
TMM829A	6.2	10	7.5	– 55	0	+ 25	+ 75	+ 100	5	5

* The voltage reference diodes are characterized by the box methode The maximum allowable voltage change ΔV_Z is guaranteed any two temperature within the range Tests are performed at the indicated temperatures and the specified current

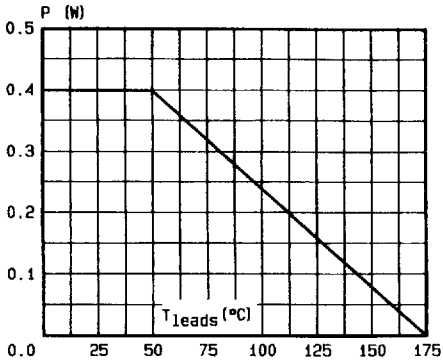


Fig.1 - Power dissipation versus leads temperature.

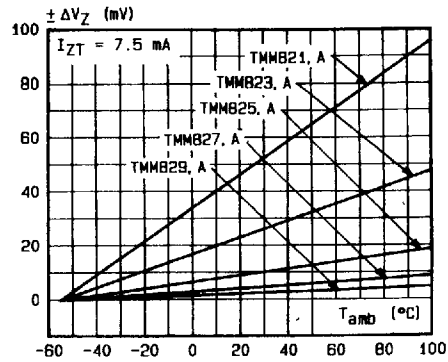
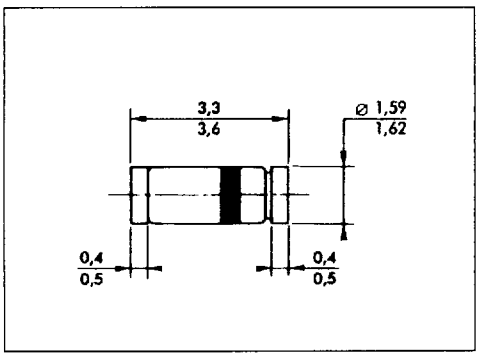


Fig.2 - Regulation voltage variation versus ambient temperature.

PACKAGE MECHANICAL DATA

MINIMELF Glass



Marking clear, ring at cathode end
Weight 0.05g

FOOT PRINT DIMENSIONS (Millimeter)

