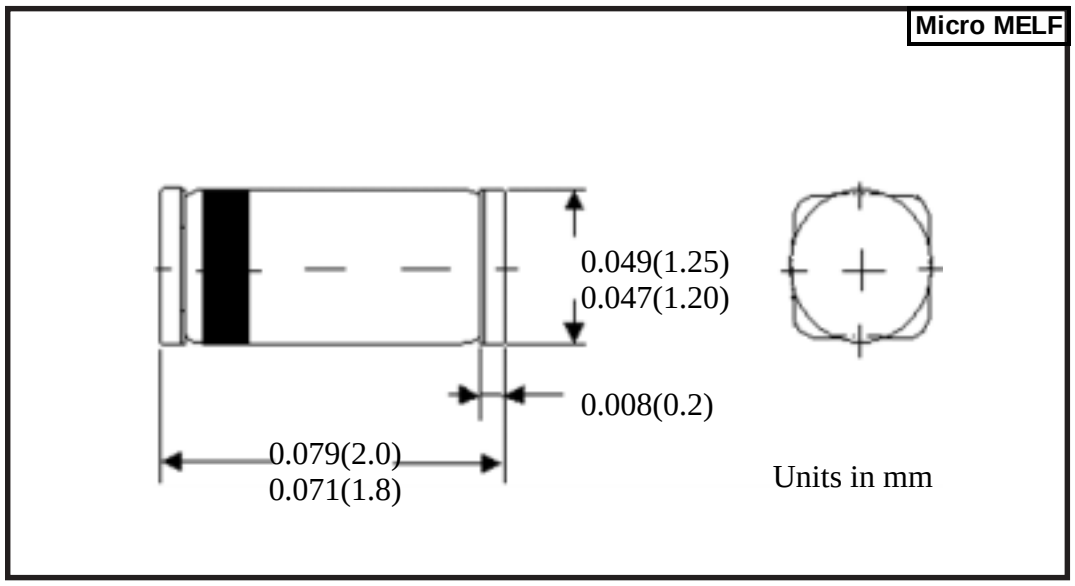
RECTRON
SEMICONDUCTOR
TECHNICAL SPECIFICATION

GMZJ Series

Micro MELF ZENER DIODE 2.5% 500mW



Electrical Characteristics Ta = 25°C

TYPE	CLASS	V_Z (V) MIN	V_Z (V) MAX	I_Z (mA)	I_F (mA)	V_F(V) MIN	V_F(V) MAX	V_R (V)	I_R(uA) MAX	I_{ZT} (mA)	Zzt(W) MAX	Izk (mA)	Zzk(W) MAX
GMZ J 4.3	A	4.04	4.29	5	100	0.2	1.0	1.0	5	5	100	1	1000
	B	4.17	4.43										
	C	4.30	4.57										
GMZ J 5.6	A	5.28	5.55	5	100	0.2	1.0	2.5	5	5	60	1	500
	B	5.45	5.73										
	C	5.61	5.91										
GMZ J 6.8	A	6.29	6.63	5	100	0.2	1.0	3.5	2	5	20	0.5	150
	B	6.49	6.83										
	C	6.66	7.01										

Absolute Maximun Ratings (Ta=25°C)

	Symbol	Value	Unit
Zener Current see Table "Characteristics"			
Power Dissipation at Tamb=25℃	Ptot	500*	mW
Junction Temperature	Tj	175	℃
Storage Temperature Range	Ts	-65 to +175	℃

Characteristic at Tamb=25℃

	Symbol	Min.	Typ.	Max.	Unit
Thermal Resistance Junction to Ambient Air	RthA	–	–	0.3*	K/mW
Forward Voltage at IF=100mA	VF	–	–	1	V

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