2,500 V - 16,000 V Rectifiers

10 mA - 100 mA Forward Current
200 ns Recovery Time

M25FG M50FG M100FG M160FG

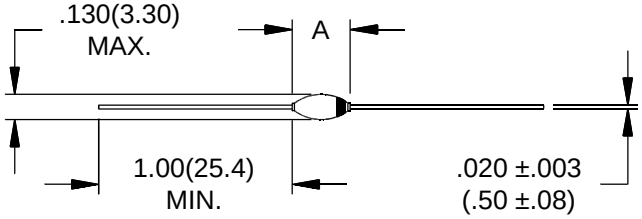
AXIAL LEADED
HERMETICALLY SEALED

4

ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (Vrwm)	Average Rectified Current (Io)		Reverse Current @ Vrwm (Ir)		Forward Voltage (Vf)		1 Cycle Surge Current tp=8.3ms (Ifsm)	Repetitive Surge Current (Ifrm)	Reverse Recovery Time (3) (Trr)	Thermal Impedance θ_{J-L}			Junction Cap. @50VDC @ 1kHZ (Cj)
		55°C(1)	100°C(2)	25°C	100°C	25°C		25°C	25°C	25°C	L=000	L=.125	L=.250	25°C
	Volts	mA	mA	µA	µA	Volts	mA	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
M25FG	2500	100	50	0.1	10	6.0	25	8.0	1.3	200	18	30	50.0	2.0
M50FG	5000	50	25	0.1	10	8.0	25	4.0	0.8	200	18	30	50.0	1.0
M100FG	10000	25	12	0.1	10	13.0	25	2.0	0.4	200	18	30	50.0	0.5
M160FG	16000	10	5	0.1	10	35.0	10	1.0	0.2	200	33	45	65.0	0.5

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)If=12.5mA, Ir=25mA, Irr=6.3mA • Op.Temp.= -65°C to +175°C Stg.Temp.= -65°C to +200°C



Part	A
M25FG M50FG M100FG	.300(7.62) MAX.
M160FG	.350(8.89) MAX.

Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.

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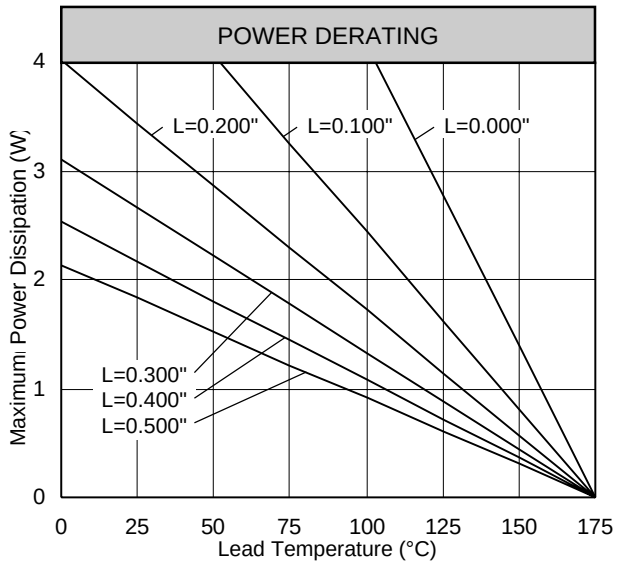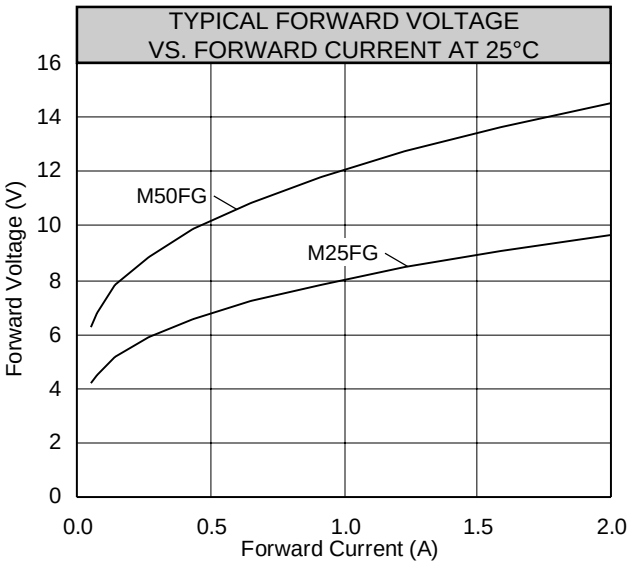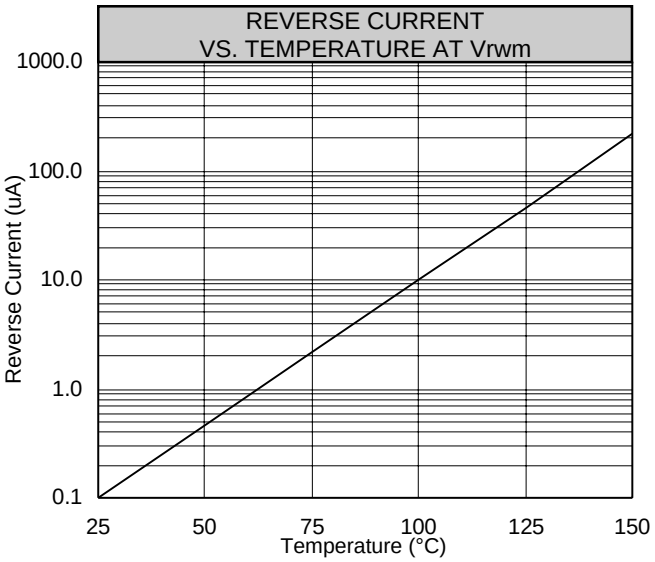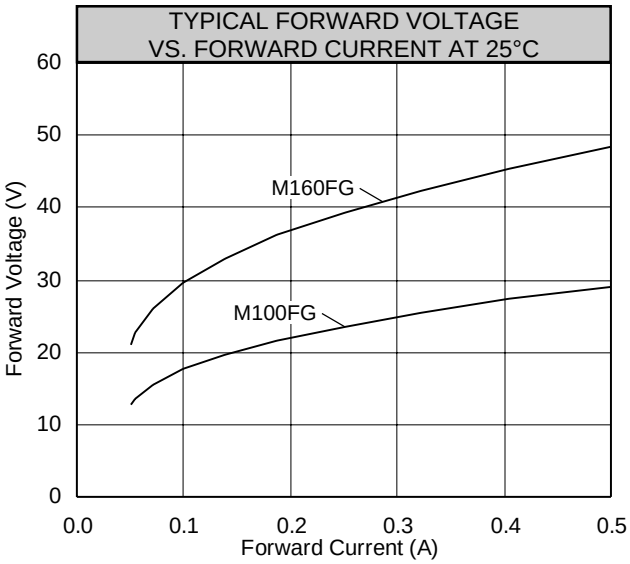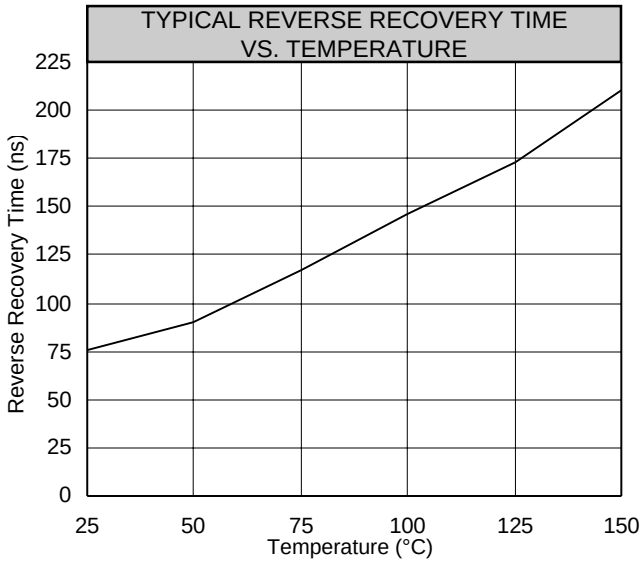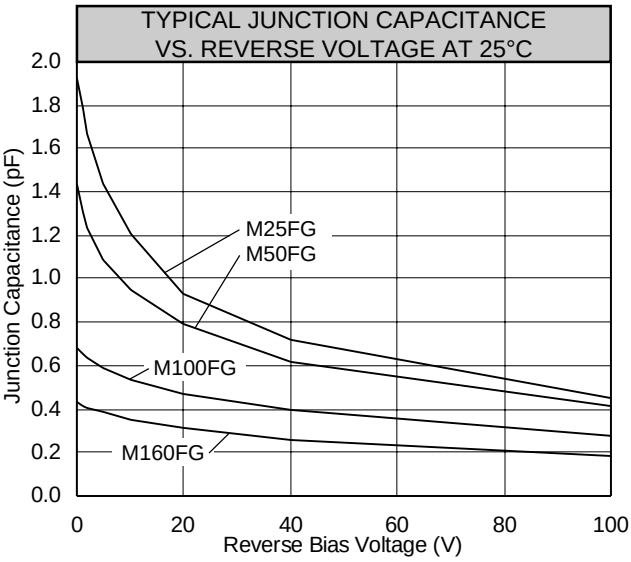
M25FG M50FG M100FG M160FG