



VOLTAGE MULTIPLIERS INC.
8711 W. Roosevelt Ave.
Visalia, CA 93291

M10XXX SERIES

P/N:

SHEET: 1

SCALE: 1:1

TITLE: LOW VOLTAGE RECTIFIER SERIES

REV:

C

ECO:

8358

REVISION STATUS OF SHEETS						
SHT	1	2	3	4	5	6
REV	C	C	C	C	C	C
SHT	7	8	9			
REV	C	C	C			

ORIGINAL RELEASE

DRN BY: DB

APPR: SP

DATE: 01-15-01

ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

PART NUMBER	WORKING REVERSE VOLTAGE (V _{rw})	AVERAGE RECTIFIED CURRENT (I _o)		REVERSE CURRENT @ V _{rw} (I _r)		FORWARD VOLTAGE (V _f)		1 CYCLE SURGE CURRENT t _p =8.3ms (I _{fsm})	REPETITIVE SURGE CURRENT (I _{frm})	REVERSE RECOVERY TIME (3) (T _{rr})	THERMAL IMPD. $\theta_{(J-C)}$			JUNCTION CAP. @ 50VDC @ 1kHz (C _j)
		55°C(1)	100°C(2)	25°C	100°C	25°C		25°C	25°C	25°C	L=.125	L=.375	L=.500	25°C
	Volts	Amps	Amps	μA	μA	Volts	Amps	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
M10FF3	1000	0.50	0.20	0.10	10	4.0	0.10	10	1.5	30	18	30	50	10
M10FF5	1000	0.75	0.40	0.10	10	1.9	0.10	10	1.5	50	18	30	50	10
M10UFG	1000	0.75	0.40	0.10	10	1.7	0.10	10	1.5	70	18	30	50	10
M10SG	1000	0.75	0.40	0.10	10	1.3	0.10	10	1.5	3000	18	30	50	10

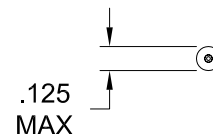
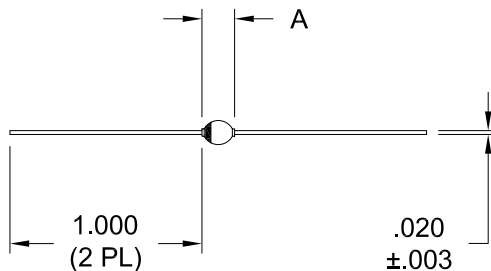
(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)I_f=125mA I_r=250mA I_{rr}=63mA

* Op. Temp.= -65°C to +175°C Stg. Temp.= -65°C to +200°C

PHYSICAL CHARACTERISTICS

MARKINGS

B
A
N
D
M10XXX



DIMENSION TABLE

DIODE P/N	A
M10FF3	.170 ± .015
M10FF5	.160 ± .015
M10SG	.160 ± .015
M10UFG	.160 ± .015

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