



Voltage Multipliers, Inc  
8711 W. Roosevelt Ave.  
Visalia, CA 93291

REVISION STATUS OF SHEETS						
SHT	1	2	3			
REV	A	-	-			

# M180UFG

REV: **A**

P/N:

SHEET: **1**

SCALE: **1 : 1**

ECO: **7699**

TITLE: **HIGH VOLTAGE RECTIFIER**

ORIGINAL RELEASE

DRN BY: CG

APPR: SP

DATE: 2-13-04

## ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

PART NUMBER	WORKING REVERSE VOLTAGE (V <sub>rwm</sub> )	AVERAGE RECTIFIED CURRENT (I <sub>o</sub> )		REVERSE CURRENT @ V <sub>rwm</sub> (I <sub>r</sub> )		FORWARD VOLTAGE (V <sub>f</sub> )		1 CYCLE SURGE CURRENT t <sub>p</sub> =8.3ms (I <sub>fsm</sub> )	REPETITIVE SURGE CURRENT (I <sub>frm</sub> )	REVERSE RECOVERY TIME (3) (T <sub>rr</sub> )	THERMAL IMPD. $\theta_{(j-l)}$			JUNCTION CAP. @ 50VDC @ 1kHz (C <sub>j</sub> )	
		Volts	55°C(1)	100°C(2)	25°C	100°C	25°C		25°C	25°C	25°C	D=0	D=.125	D=.250	25°C
			mA	mA	µA	µA	Volts	mA	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
M180UFG	18000	10	5	0.1	10	35.0	10	1.0	0.2	100	33	45	65.0	0.5	

(1) TL=55°C L=0.375" (2) TL=100°C L=0.375" (3) I<sub>f</sub>=12.5mA I<sub>r</sub>=25mA I<sub>rr</sub>=6.3mA \*Op. Temp.= -65°C to +175°C Stg. Temp.= -65°C to +200°C

## PHYSICAL CHARACTERISTICS

### MARKINS

◀  
VMI  
M180UFG  
D/C

### NOTES:

BODY OVERCOATED WITH BLACK COLOR AND IDENTIFIED WITH PART NUMBER USING WHITE COLOR.

