

# DO-215 Style Diodes - 2,500V

Original Release: 01-15-08  
 Revised Date: 08-05-08

**0.35 A - 0.5 A • 30ns - 70ns**

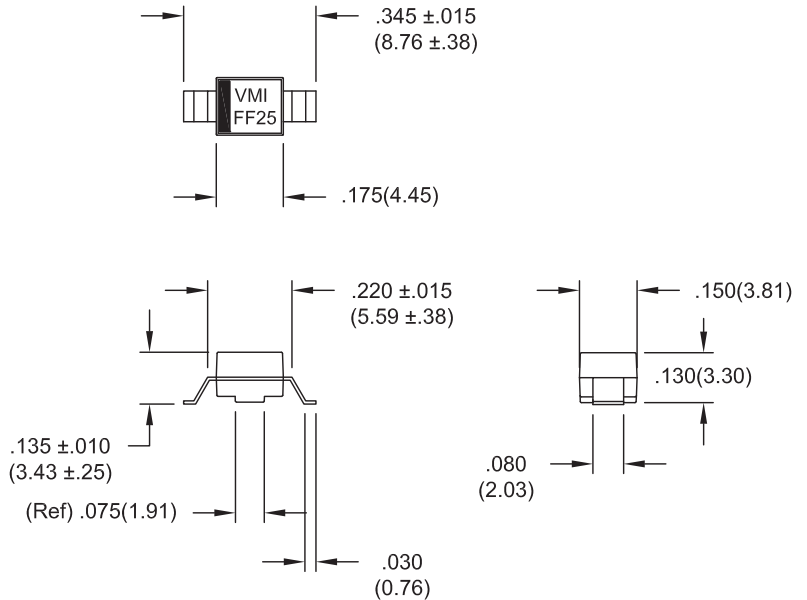
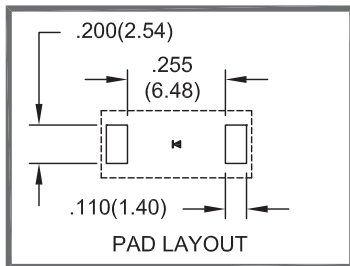
ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS													
Part Number	Working Reverse Voltage (V <sub>rwm</sub> )	Average Rectified Current (I <sub>o</sub> )		Reverse Current @ V <sub>rwm</sub> (I <sub>r</sub> )		Forward Voltage (V <sub>f</sub> )		1 Cycle Surge Current t <sub>p</sub> =8.3ms (I <sub>fsm</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> )	Markings
		55°C(1)	100°C(2)	25°C	100°C	25°C	25°C	25°C	25°C	25°C	25°C	25°C	
	Volts	Amps	Amps	µA	µA	Volts	Amps	Amps	Amps	ns	°C/W	pF	
MD90FF25	2500	0.35	0.20	1.0	25	6.2	0.50	10	2.5	30	18	10	FF25
MD90U25	2500	0.50	0.25	1.0	25	5.4	0.50	10	2.5	70	18	10	U25

(1)TC=55°C (2)TC=100°C (3)I<sub>f</sub>=0.5A, I<sub>r</sub>=1.0A, I<sub>rr</sub>=0.25A \*Op. Temp.= -65°C to +175°C Stg. Temp.= -65°C to +200°C

Plating:  
 Tin plating per MIL-T-10727, Type 1,  
 200-400µin, matte finish.

Tolerance:  
 .XXX ±.005

**BETA VERSION**



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



Voltage Multipliers Inc.

8711 W. Roosevelt Ave.  
 Visalia, CA 93291 USA

Tel: 559.651.1402  
 Fax: 559.651.0740

www.voltagemultipliers.com  
 www.highvoltagepowersupplies.com