

# DO-215 Style Diodes - 1,800V

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

0.5 A - 1.0 A • 30ns - 70ns

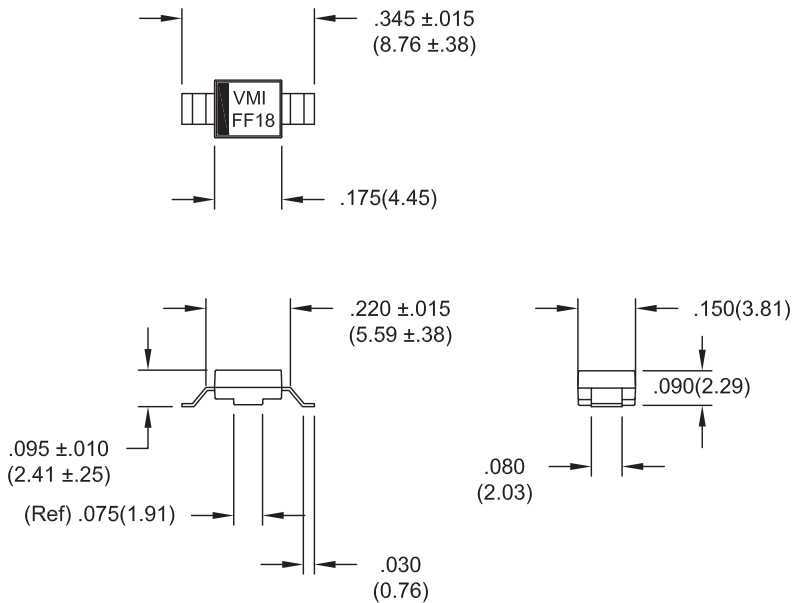
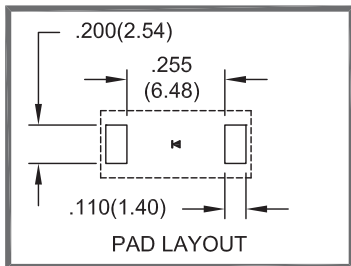
ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS													
Part Number	Working Reverse Voltage (V <sub>rw</sub> )	Average Rectified Current (I <sub>o</sub> )		Reverse Current @ V <sub>rw</sub> (I <sub>r</sub> )		Forward Voltage (V <sub>f</sub> )		1 Cycle Surge Current t <sub>p</sub> =8.3ms (I <sub>fsm</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	
MD90FF18	1800	0.50	0.25	1.0	25	4.0	0.50	20	4	30	18	20	FF18
MD90U18	1800	1.00	0.50	1.0	25	3.6	0.50	20	5	70	18	20	U18

(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.



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