

# DO-214 Style Diodes - 2,500V

0.35A - 0.5 A • 30ns - 70ns

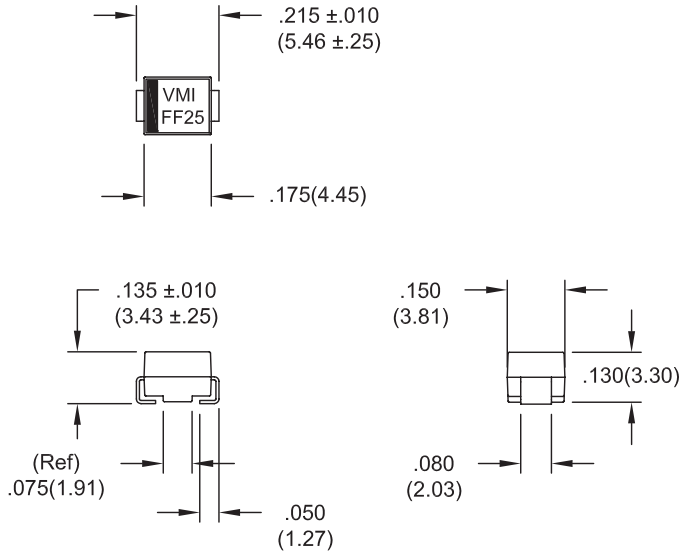
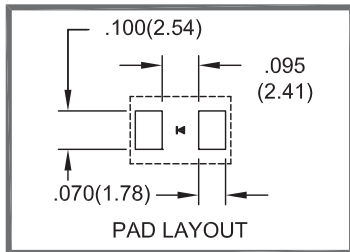
ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS													
Part Number	Working Reverse Voltage (Vrwm)	Average Rectified Current (Io)		Reverse Current @ Vrwm (Ir)		Forward Voltage (Vf)		1 Cycle Surge Current tp=8.3ms (Ifsm)	Repetitive Surge Current (Ifrm)	Reverse Recovery Time (3) (Trr)	Thermal Impd. $\theta_{J-L}$	Junction Cap. @ 50VDC @ 1kHz (Cj)	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	$\mu$ A	$\mu$ A	Volts	Amps	Amps	Amps	ns	°C/W	pF	
MD90FF25J	2500	0.35	0.20	1.0	25	6.2	0.50	10	2.5	30	13	10	FF25
MD90U25J	2500	0.50	0.25	1.0	25	5.4	0.50	10	2.5	70	13	10	U25

(1)TC=55°C (2)TC=100°C (3)If=0.5A, Ir=1.0A, Irr=0.25A \*Op. Temp.= -65°C to +175°C Stg. Temp.= -65°C to +200°C

Application Note: Voltage rating in air 800V<sub>MAX</sub> Operating at voltage > 800V Requires conformal coating or encapsulation.

Plating:  
Tin plating per MIL-T-10727, Type 1, 200-400 $\mu$ in, matte finish.

Tolerance:  
.XXX  $\pm$ .005



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



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