

DO-214 Style Diodes - 3,200V

Original Release: 03-23-09
 Revised Date: 04-28-09

0.25A - 0.35A • 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. θ_{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	μ A	μ A	Volts	Amps	Amps	Amps	ns	°C / W	pF	
MD90FF32J	3200	0.25	0.15	1.0	25	8.0	0.50	8	2.0	30	13	8	FF32
MD90U32J	3200	0.35	0.20	1.0	25	7.0	0.50	8	2.0	70	13	8	U32

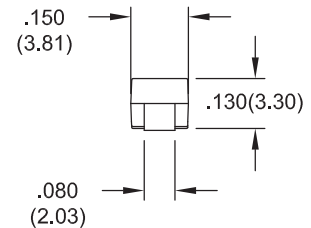
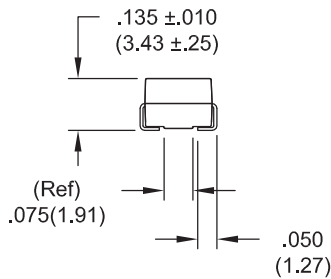
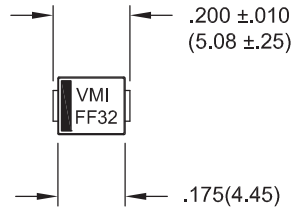
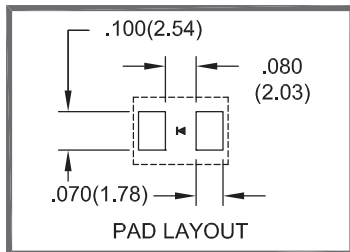
(1)TC=55°C (2)TC=100°C (3)If=0.5A, Ir=1.0A, Irr=0.25A *Op. Temp.= -65°C to +175°C Stg. Temp.= -65°C to +200°C

Application Note: Voltage rating in air 800V_{MAX} Operating at voltage > 800V Requires conformal coating or encapsulation.

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

Tolerance:
 .XXX \pm .005

PRELIMINARY



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