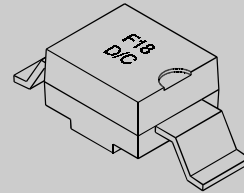


1,800 V Rectifiers
0.5 A Forward Current
30 ns - 50 ns Recovery Time

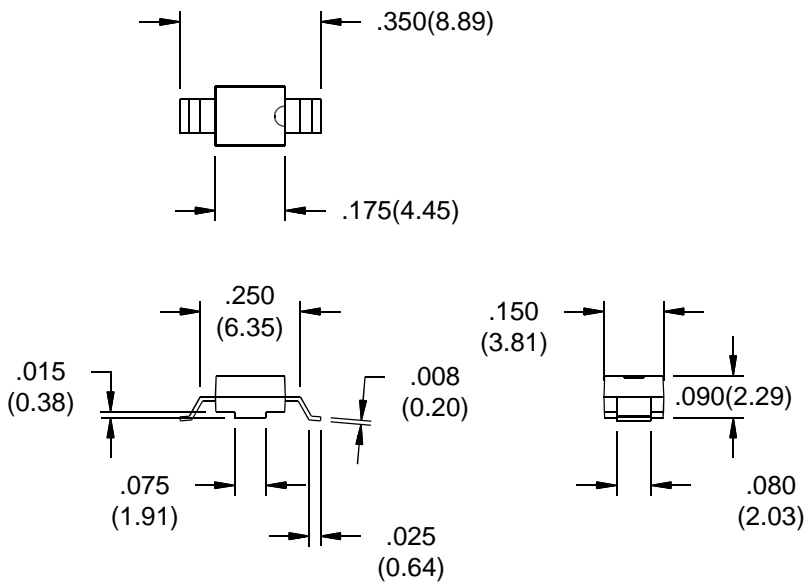
MD90FF18
MD90F18



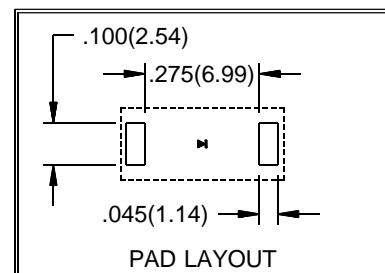
ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (V _{rwm})	Average Rectified Current (I _o)		Reverse Current @ V _{rwm} (I _r)		Forward Voltage (V _f)		1 Cycle Surge Current t _p =8.3ms (I _{fsm})	Repetitive Surge Current (I _{frm})	Reverse Recovery Time (3) (T _{rr})	Thermal Impd. θ _{J-L}	Junction Cap. @50VDC @1kHz (C _j)	Markings
		55°C(1)	100°C(2)	25°C	100°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	13	20	FF18
MD90F18	1800	0.50	0.25	1.0	25	4.0	0.50	20	4	50	13	20	F18

(1) TC=55°C (2)TC=100°C (3)I_f=0.5A, I_r=1.0A, I_{rr}=0.25A *Op. Temp.= -65°C to +175°C Stg. Temp.= -65°C to +200°C



Plating:
 50µin silver over 50µin nickel.



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



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