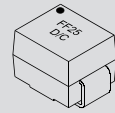
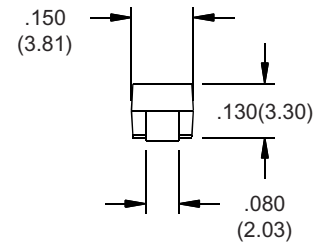
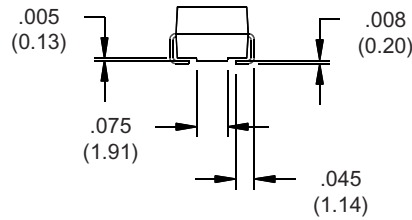
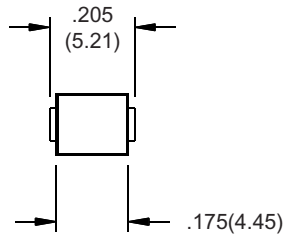


Spice Model


MD90FF25


Part Number	Working Reverse Voltage	Average Rectified Current		Reverse Current @ Vrwm		Forward Voltage		1 Cycle Surge Current tp=8.3ms (Ifsm)	Repetitive Surge Current (Ifrm)	Reverse Recovery Time (3) (Trr)	Thermal Impd. J-L	Junction Cap. @50VDC @1kHz (Cj)	Markings
	(Vrwm)	(Io)		(Ir)		(Vf)							
	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	26	10	FF25



NAME	PARAMETER	VALUE	UNITS
IS	Reverse leakage current	1.00E-06	Amps
N	Emission coefficient	16.5	
T	Temperature	25	C
RS	Diode series resistance	1.9	Ohm
TT	Transit time	30	nS
CJ0	Zero-bias junction capacitance	18.23	pF
VJ	Bulk junction potential	1.41	Volts
M	Grading coefficient	0.5	
EG	Energy-band gap	1.11	Volts
XTI	Temperature coefficient	3	
KF	Flicker-noise coefficient	0	
AF	Flicker-noise exponent	1	
FC	Coefficient for capacitance	0.5	
BV	Diode breakdown voltage	2500	Volts
IBV	Diode breakdown current	100	uAmps



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