

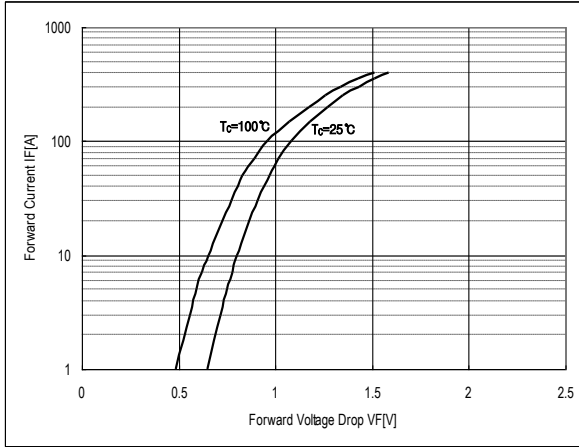
Thermal Characteristics

Symbol	Parameter	Conditions	Values			Unit
			Min.	Typ.	Max.	
$R_{th(j-c)}$	Thermal Resistance(Non Isolation Type)	Junction to Case	-	-	0.32	°C/W

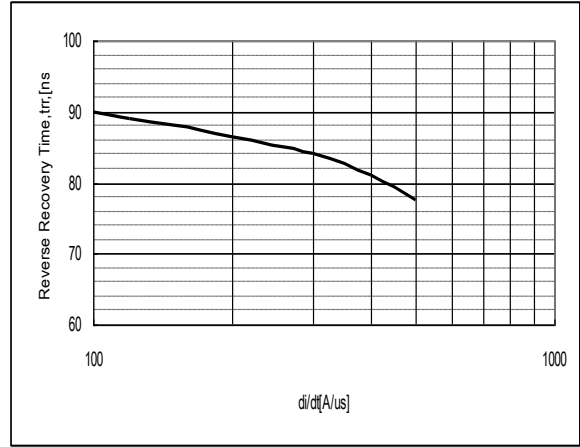
Electrical Characteristics @ $T_j=25^{\circ}\text{C}$ (unless otherwise specified)

Symbol	Parameter	Conditions	Values			Unit
			Min.	Typ.	Max.	
V_R	Cathode Anode Breakdown Voltage	$I_R = 100\mu\text{A}$	400	-	-	V
V_{FM}	Maximum Forward Voltage	$I_{FM} = 100\text{A}, T_c = 25^{\circ}\text{C}$	-	1.05	1.3	V
		$I_{FM} = 100\text{A}, T_c = 100^{\circ}\text{C}$	-	0.95	1.1	V
I_{RRM}	Repetitive Peak Reverse Current	$T_c = 100^{\circ}\text{C}, V_{RRM}$ applied	-	-	1.0	mA
T_{rr}	Reverse Recovery Time	$I_{FM} = 100\text{A}, V_R = 200\text{V}, di/dt = -100\text{A}/\mu\text{s}$ $T_c = 25^{\circ}\text{C}$	-	90	120	ns
		$T_c = 100^{\circ}\text{C}$	-	120	-	ns

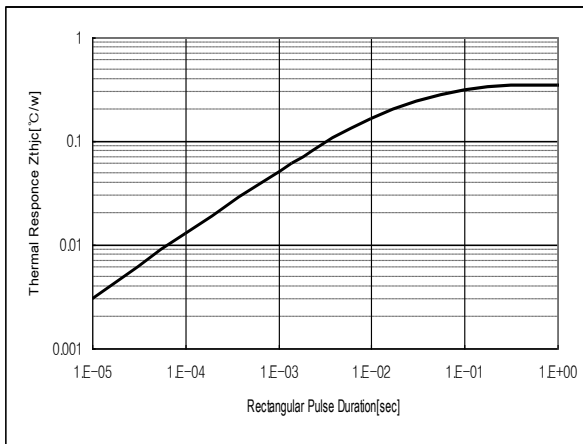
Performance Curves



**Fig. 1 : Typical Forward Voltage Drop
vs. Instantaneous Forward Current**



**Fig. 2 : Typical Reverse Recovery Time
vs. -di/dt**



**Fig. 3 : Transient Thermal Impedance(Z_{thjc})
Characteristics**

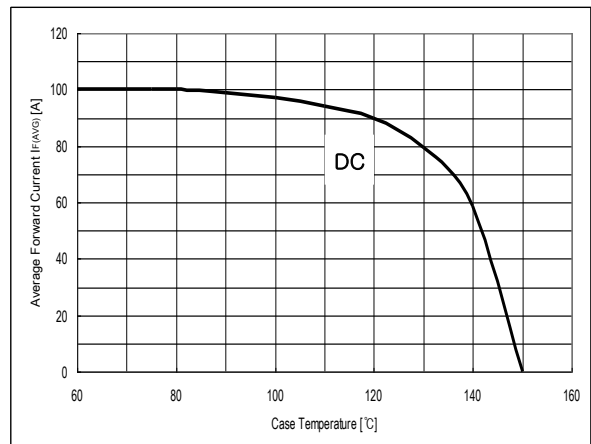


Fig. 4 : Forward Current Derating Curve

Package Out Line Information

3DM-2NI Series



UNIT : mm

