

D200LC40B

400V 200A

FEATURES

- High current capacity
- $\tau_{rr} 150\text{ns}$
- Insulated Package

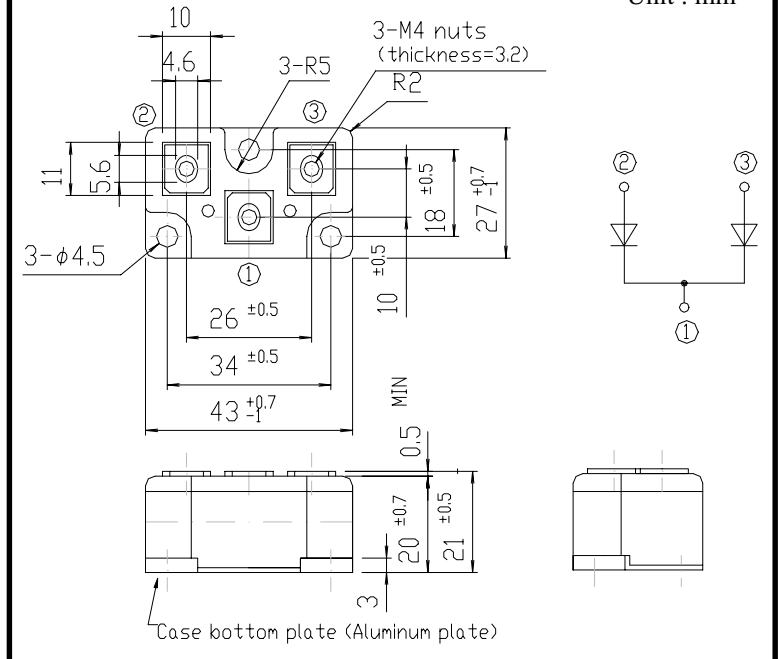
APPLICATION

- Semiconductor Production Equipment
- Big Power Supply
- Factory Automation, Robot

OUTLINE DIMENSIONS

Case : MODULES

Unit : mm



RATINGS

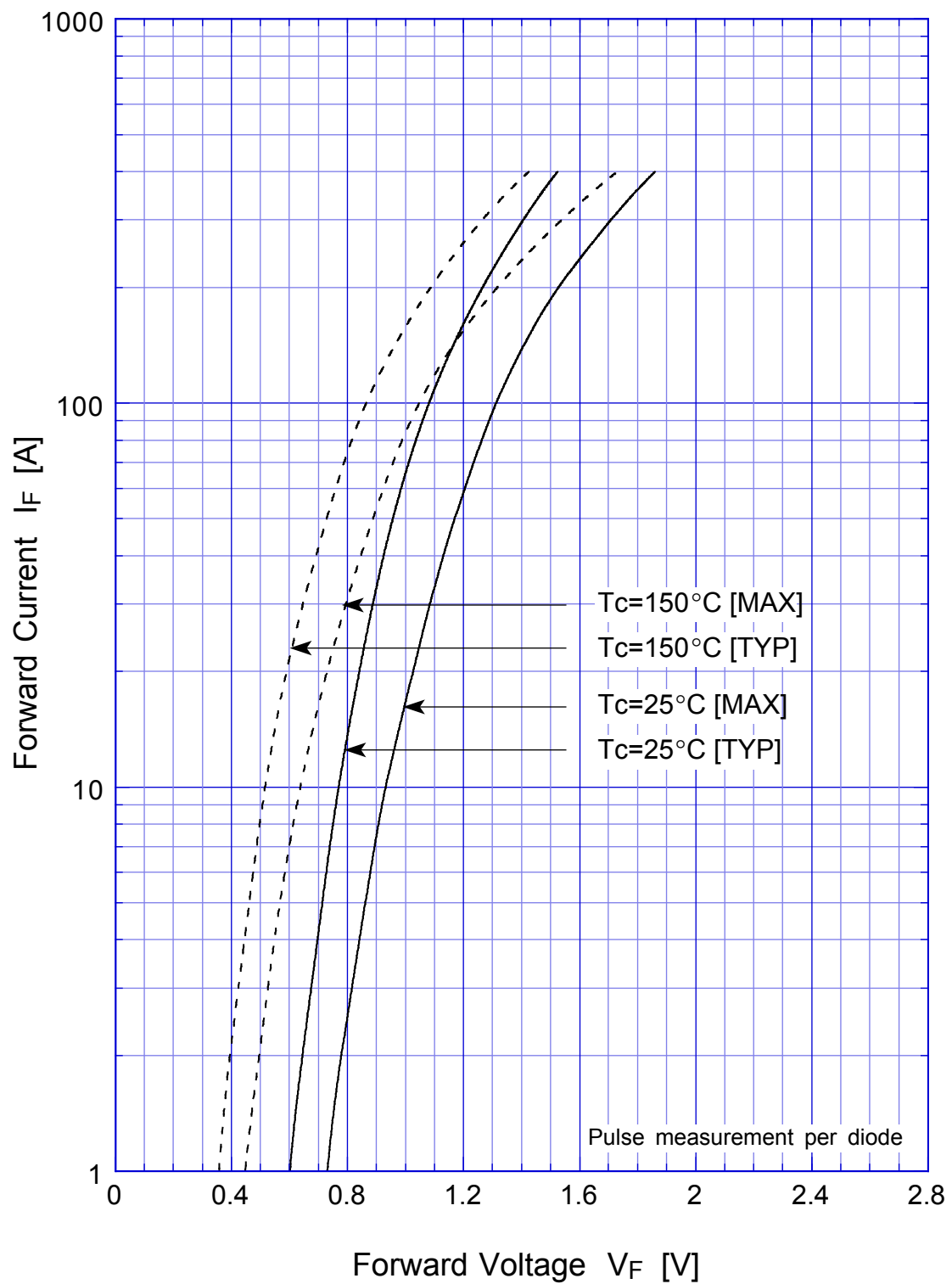
●Absolute Maximum Ratings (If not specified Tc=25°C)

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T _{stg}		-40~150	°C
Operating Junction Temperature	T _j		150	°C
Maximum Reverse Voltage	V _{RM}		400	V
Average Rectified Forward Current	I _O	50Hz sine wave, R-load, Rating for each arm I _o /2, T _c =52°C	200	A
Peak Surge Forward Current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Rating of per arm T _j =25°C	1400	A
Dielectric Strength	V _{dis}	Terminals to case, AC 1 minute	1.5	kV
Mounting Torque	TOR		1.7	N·m

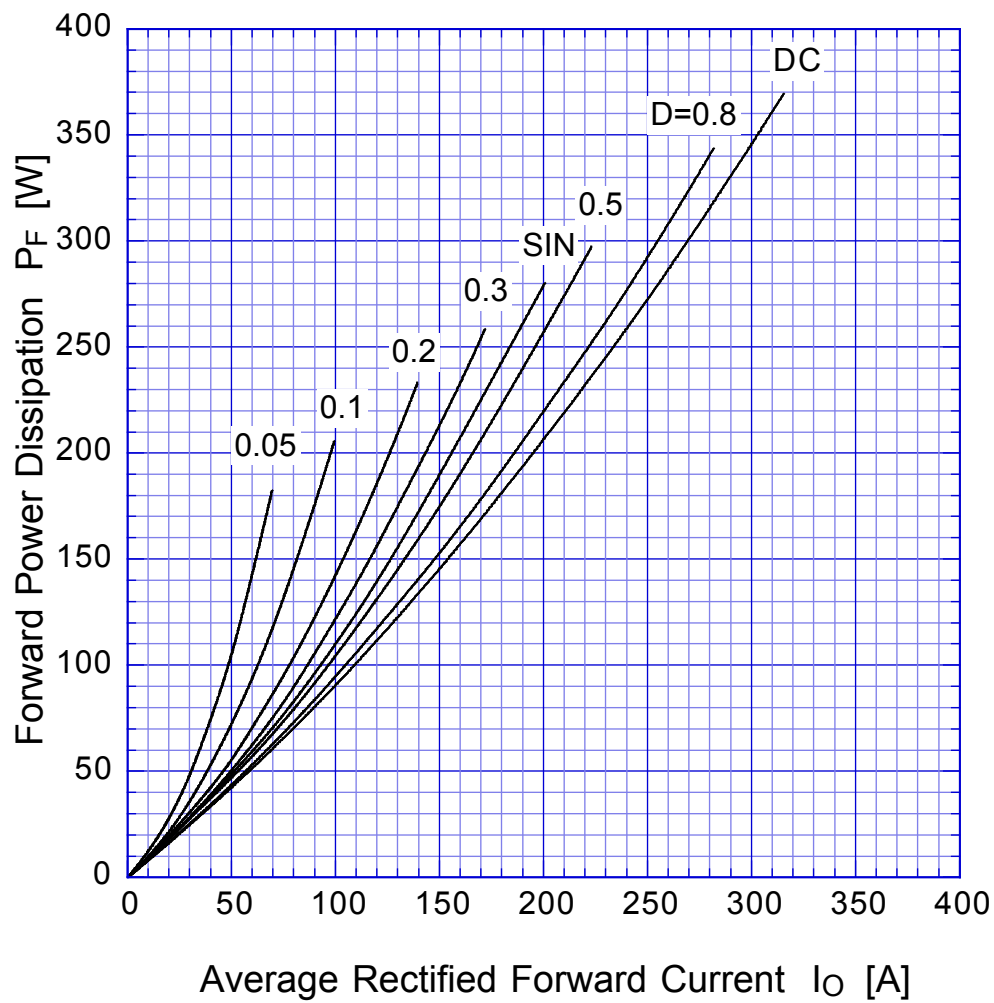
●Electrical Characteristics (If not specified Tc=25°C)

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V_F	$I_F=100A$, Pulse measurement, Rating of per arm	Max.1.3	V
Reverse Current	I_R	$V_R=V_{RM}$, Pulse measurement, Rating of per arm	Max.50	μA
Reverse Recovery Time	t_{rr}	$I_F=0.5A$, $I_R=1A$, Rating of per arm	Max.150	ns
Thermal Resistance	θ_{jc}	junction to case	Max.0.35	$^{\circ}C/W$

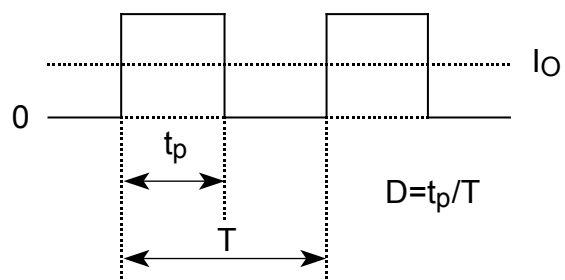
D200LC40B Forward Voltage



D200LC40B Forward Power Dissipation

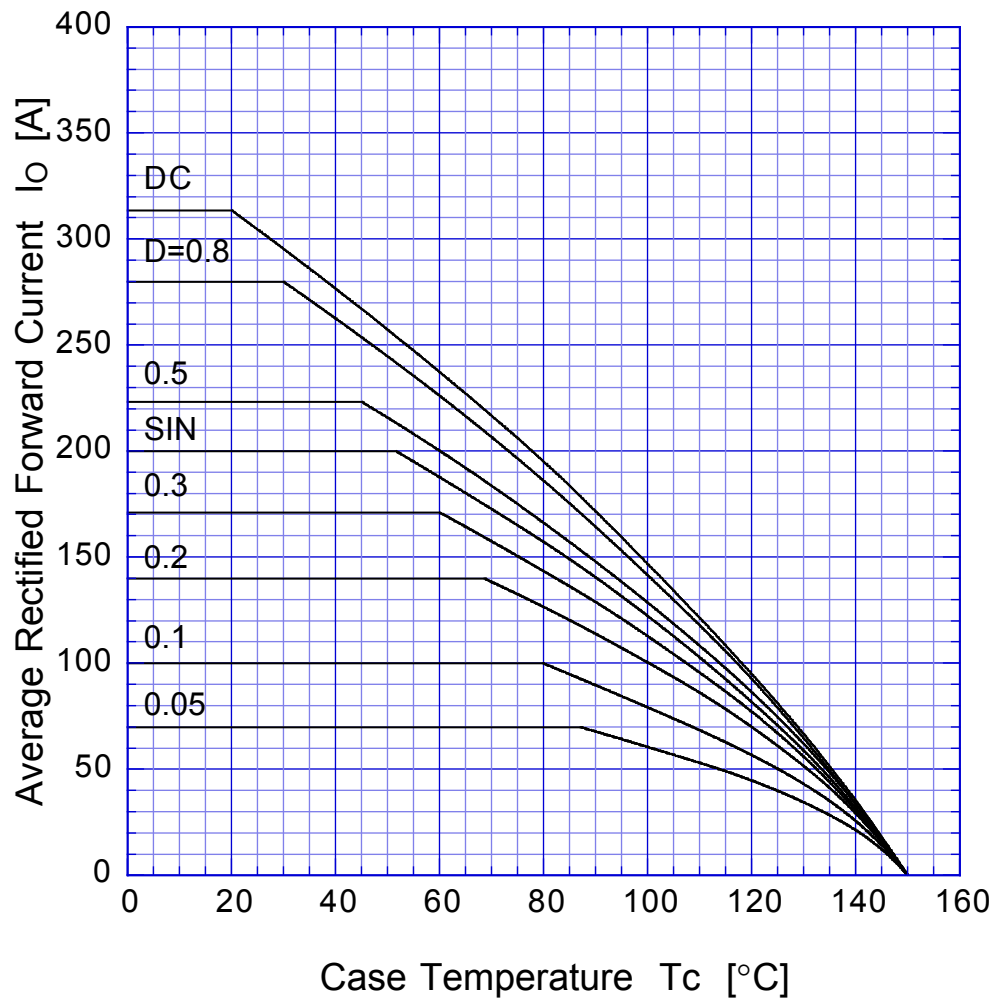


$T_j = T_{jmax}$

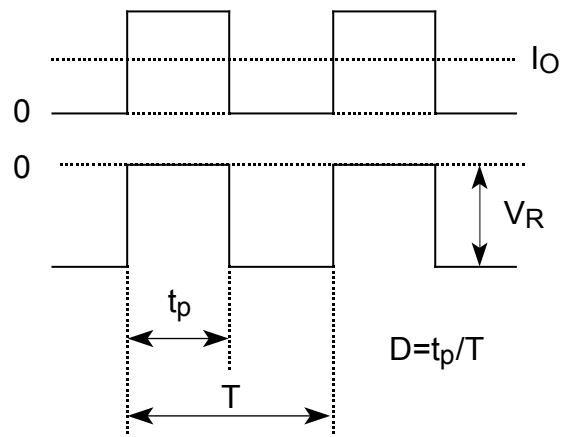


D200LC40B

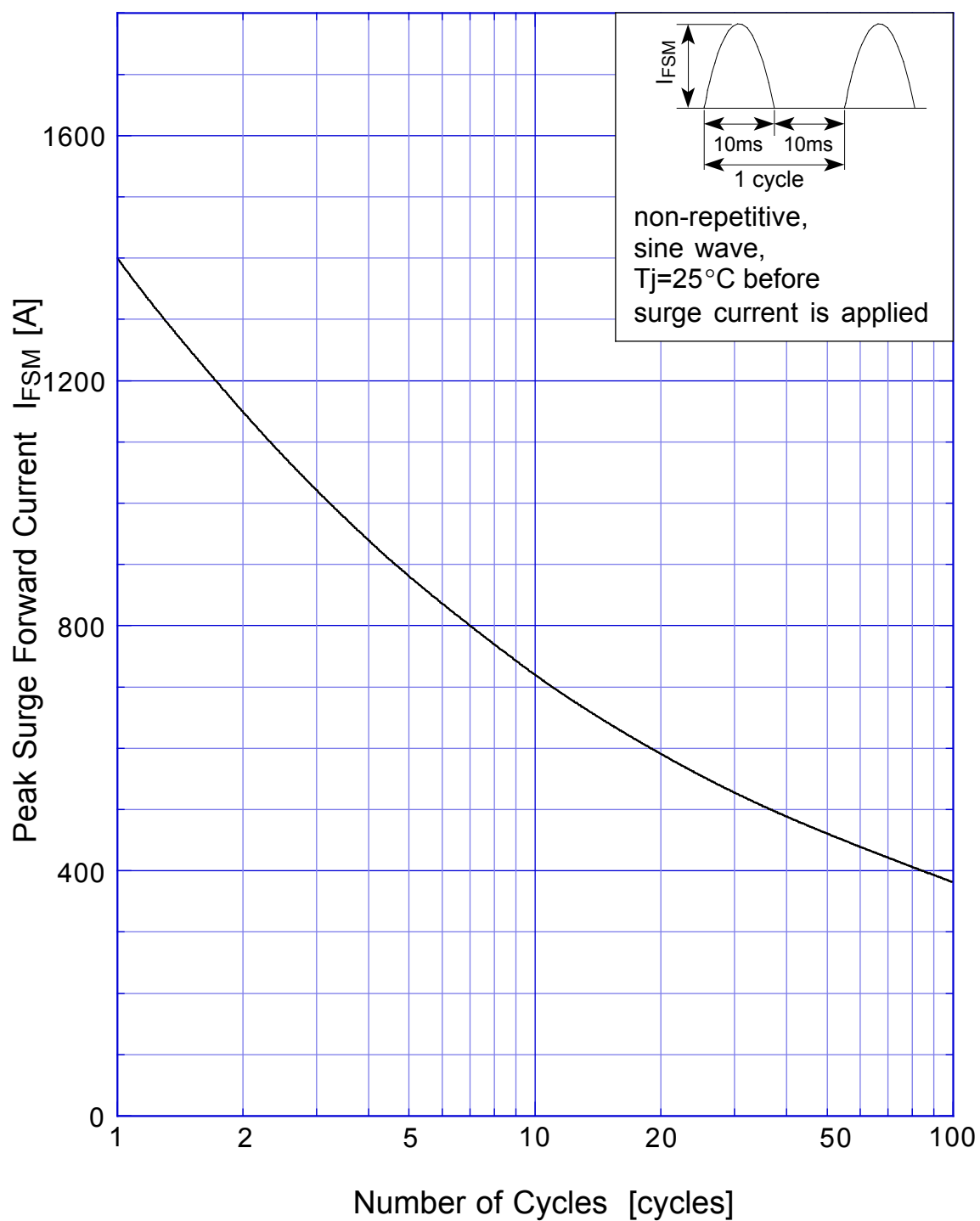
Derating Curve



$$V_R = V_{RM}$$



D200LC40B Peak Surge Forward Capability



D200LC40B Junction Capacitance

