



JMD200KD20T2W

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

Parameter	Conditions	Symbol	Values			Unit
			Min.	Typ.	Max.	
Peak forward voltage	$I_F=600\text{A}$, $t_P=380$	V_F			1.60	V
Reverse leakage current	$V_R = V_{RRM}$, $T_{vj} = 25$	I_{RRM}			100	A
	$V_R = V_{RRM}$, $T_{vj} = 150$				60	mA
Threshold voltage	$T_{vj} = 150$, for power loss calculation only	V_{TO}			0.70	V
Dynamic resistance		r_T			1.05	m

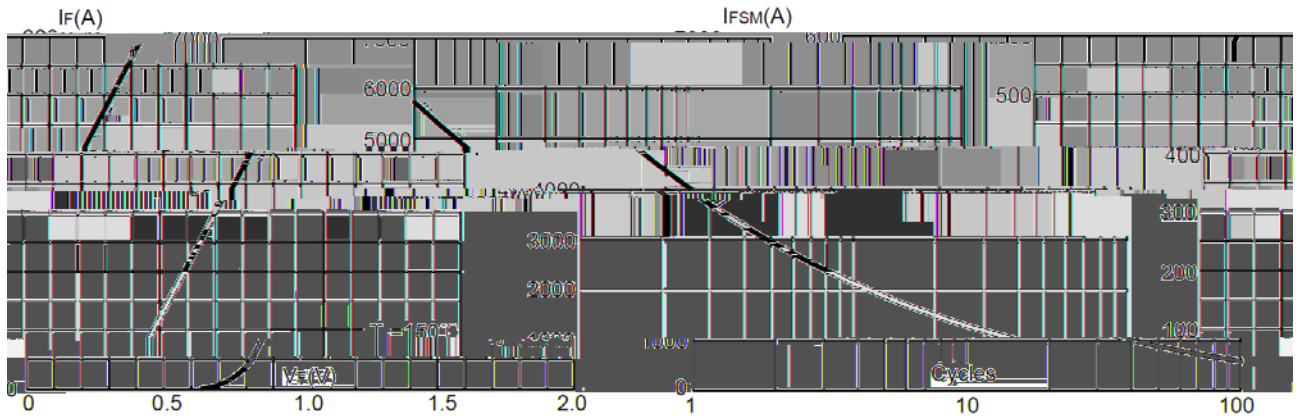
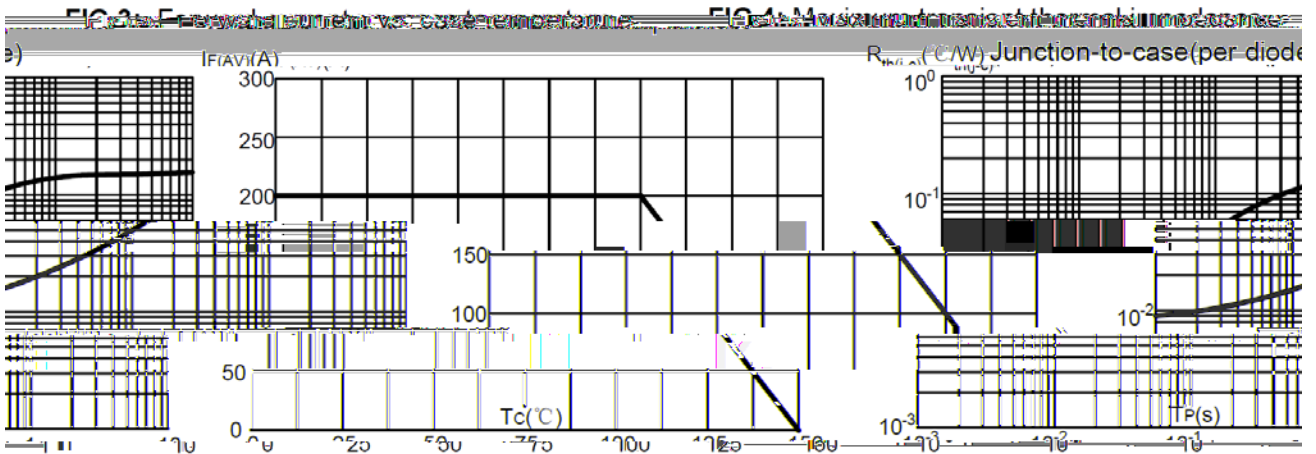
Thermal Characteristics (@ $T_C = 25^\circ\text{C}$ unless otherwise specified)

Parameter	Conditions	Symbol	Values			Unit
			Min.	Typ.	Max.	
Thermal resistance, junction to case	per diode	$R_{th(j-c)}$		0.16		$^\circ\text{C/W}$
Thermal resistance, case to heatsink	per diode	$R_{th(c-s)}$		0.08		$^\circ\text{C/W}$
Mounting torque	Module and heatsink fixed torque M5	M	4.25		5.75	N·m
	Electrode connection torque, screw M6		4.25		5.75	N·m

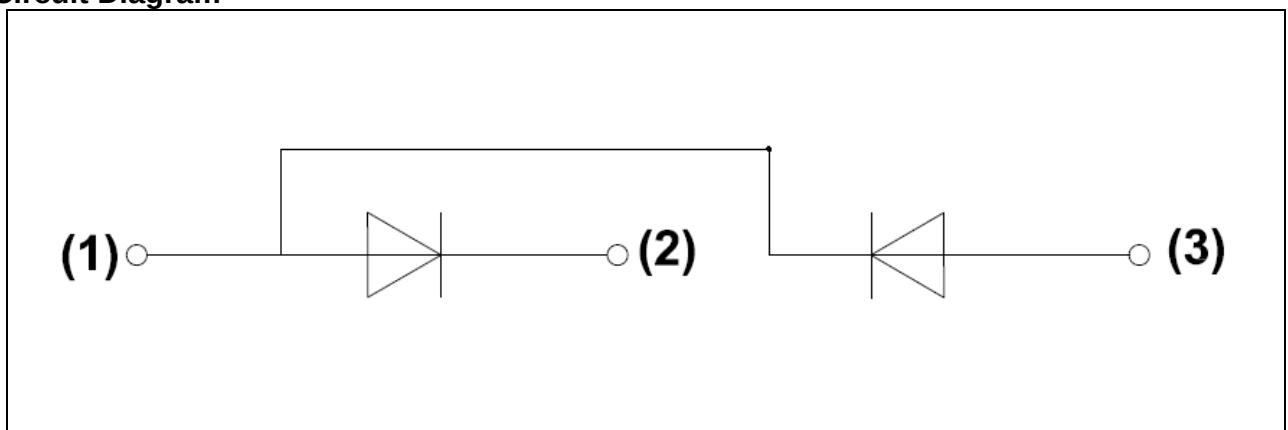
Ordering Information

Device	Marking	Package	Weight	Inner Box	Pre Carton
JMD200KD18T2W	JMD200KD18T2W	T2	$170 \pm 10\text{g/PCS}$	6 PCS	72 PCS

Typical Electrical & Thermal Characteristics

FIG.1: Forward characteristics(per diode)

FIG.2: Peak on-state surge current


Circuit Diagram



Package Outlines (mm)
