



JMD280KD18T2W

Features

- A package of series of two diodes
- Heat transfer through alumina ceramic and metal substrate
- Welding by vacuum welding technology,

Product Summary

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

Parameter	Conditions	Symbol	Values			Unit
			Min.	Typ.	Max.	
Peak forward voltage	$I_F=840\text{A}$, $t_p=380\mu\text{s}$	V_F			1.60	V
Reverse leakage current	$V_R = V_{RRM}$, $T_{vj} = 25$	I_{RRM}			100	μA
	$V_R = V_{RRM}$, $T_{vj} = 150$				90	mA
Threshold voltage	$T_{vj} = 150$, for power loss calculation only	V_{TO}			0.8	V
Dynamic resistance		r_T			0.78	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	$R_{th(j-c)}$		0.12		/W
Thermal resistance, case to heatsink	per diode	$R_{th(c-s)}$		0.06		/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
JMD280KD18T2W	JMD280KD18T2W	T2	170 10g/PCS	6 PCS	72 PCS

