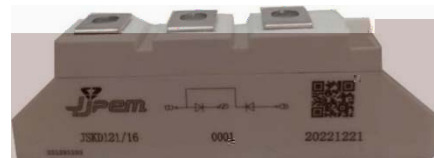




JSKD/JSMD/JSND121

Description

- 1) A package of series of two diodes.
- 2) Heat transfer through alumina ceramic and metal substrate.
- 3) Welding by vacuum welding technology, which provide high reliability.



Typical Application

AC converter, inverter and **Unit** lues

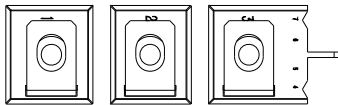
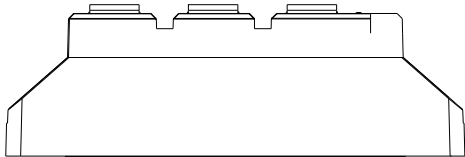
			12	16	18	20	
Operating junction temperature range		T _J	-40-150				
Storage temperature range		T _{STG}	-40-125				
Repetitive peak reverse voltage	T _J =25	V _{RRM}	1200	1600	1800	2000	V
Non-repetitive peak reverse voltage	T _J =25	V _{RSM}	1300	1700	1900	2100	V
Average on-state current	T _C =100	I _{F(AV)}	120				A
Peak on-state surge current	T _J =25 , t _P =10ms,	I _{FSM}	3360				A
I ² t value for fusing	sin 180°	I ² t	56400				A ² s
Insulation voltage	A.C 50Hz(1s/1min)	V _{ISO}	3600/3000				V

Threshold voltage	T_J 11) 0	V _{TO}	0.85				V
Dynamic resistance	T _J =150	R _d	1.5				m
Repetitive peak reverse current	V _R =V _{RRM}						
	T _J =25	I _{RRM1}	100				μA
	T _J =150	I _{RRM2}	40				mA
Thermal resistance	Junction to case	R _{th(j-c)}	0.29				/W
	Case to heatsink	R _{th(c-s)}	0.12				



Mechanical Characteristics

Module size	93mm×21mm
Module height	30mm
Terminal distance of (1)/(2)/(3)	20mm
Mounting torque(M5)	5±15%Nm
Terminal torque(M5)	3±15%Nm





Ordering Information

JS

KD

121

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JieJie Semiconductor Co., Ltd

KD:Diode Module

MD:Common Cathode Diode Module

