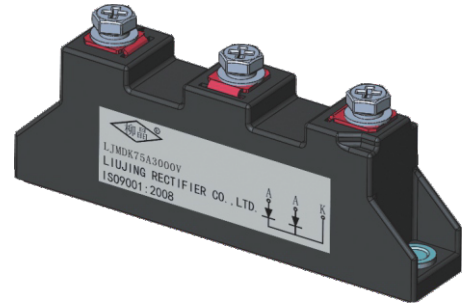


## Feature

- 1). Designed for High-voltage photovoltaic system anti-reverse package
- 2). Module housing spacer design to improve product creep resistance
- 3). The product has high rectification efficiency, good stability, safety and reliability, small loss, small volume and good heat dissipation performance.
- 4) High-power, high-current, high-voltage rectifier module, reliable performance, superior durability and longer service life



### TYPICAL APPLICATION

- |                             |             |                     |
|-----------------------------|-------------|---------------------|
| 1). Photovoltaic DC cabinet | $I_{F(AV)}$ | 55A                 |
| 2). Photovoltaic inverter   | $V_{RRM}$   | 3000V               |
| 3). New energy vehicles     | $I_{FSM}$   | $1.3A \times 10^3$  |
| 4). Electric car            | $I^2t$      | $8.6A^2S \times 10$ |
| 5). Charging pile           |             |                     |

### 主要参数

Symbol	Parameter	Test Conditions	结温	Value			Unit	
			T °C	Min	Type	Max		
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled, $T_c = 100^\circ\text{C}$	150			55	A	
$I_{F(RMS)}$	RMS forward current		150			115	A	
$V_{RRM}$	Repetitive peak reverse voltage	$V_{RRM} t_p = 10\text{ms}$ , $V_{RSM} = V_{RRM} + 200\text{V}$	150			3000	V	
$I_{RRM}$	Repetitive peak current	$V_{RM} = V_{RRM}$	150			8	mA	
$I_{FSM}$	Surge forward current	10ms half sine wave	150			1.30	KA	
$I^2t$	$I^2T$ for fusing coordination	$V_R = 0.6V_{RRM}$	150			8.6	$A^2S \times 10^3$	
$V_{FO}$	Threshold voltage		150			0.80	V	
$r_F$	Forward slop resistance		150			3.47	mp	
$V_{FM}$	Peak forward voltage	$I_{PV} = 75A$	25			0.8	V	
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180°sine'Single side cooled per chip				0.700	°C/W	
$R_{th(c-h)}$	Thermal resistance case to heatsink	At 180°sine'Single side cooled per chip				0.2	°C/W	
$V_{ISO}$	Isolation voltage	50Hz, R.M.S., $t = 1\text{min}$ , $I_{BO} : 1\text{mA}(\text{max})$				4500	V	
$F_m$	Terminal connection torque(M5)					4	N·m	
	Mounting torque(M6)					6	N·m	
$T_{stg}$	Stored temperature					-40	125	°C
Size	Package size							mm

SIZE

