

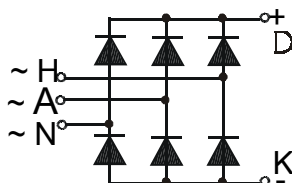
Three Phase Rectifier Bridge

PSD 67

I_{dAV} = 68 A
 V_{RRM} = 600-1600V

Preliminary Data Sheet

V_{RSM} V_{DSM} (V)	V_{RRM} V_{DRM} (V)	Type
700	600	PSD 67/06
900	800	PSD 67/08
1300	1200	PSD 67/12
1500	1400	PSD 67/14
1700	1600	PSD 67/16



Features

-
- Package with DCB ceramic base plate
- Isolation voltage 3000 V~
- Planar glass passivated chips
- Low forward voltage drop
- Leads suitable for PC board soldering
- UL registered, E 148688

Applications

- Supplies for DC power equipment
- Input rectifier for PWM inverter
- Battery DC power supplies
- Field supply for DC motors

Advantages

- Easy to mount with two screws
- Space and weight savings
- Improved temperature and power cycling capability
- High power density
- Small and light weight

Package style and outline

Dimensions in mm (1mm = 0.0394")

Symbol	Test Conditions	Characteristic Value		
I_R	$V_R = V_{RRM}, T_{VJ} = T_{VJM}$	$\leq$	3	mA
	$V_R = V_{RRM}, T_{VJ} = 25^\circ\text{C}$	$\leq$	0.5	mA
V_F	$I_F = 55\text{ A}, T_{VJ} = 25^\circ\text{C}$	$\leq$	1.46	V
V_{TO}	For power-loss calculations only		0.8	V
r_T			13	$\text{m}\Omega$
R_{thJC}	per diode; DC		1.1	K/W
	per module		0.18	K/W
R_{thJK}	per diode; DC		1.6	K/W
	per module		0.27	K/W
d_s	Creeping distance on surface		11.2	mm
d_A	Creeping distance in air		9.7	mm
a	Max. allowable acceleration		50	m/s^2

Data according to IEC 60747 refer to a single diode unless otherwise stated

*- for resistive load at bridge output

Used solder not Pb free!

