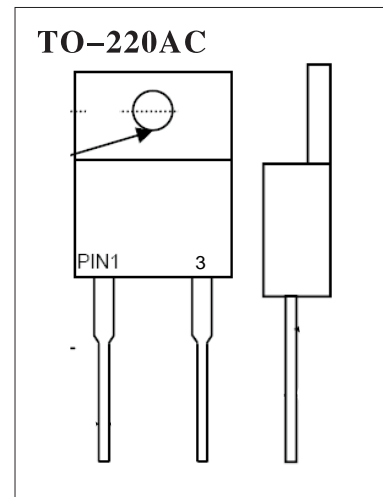
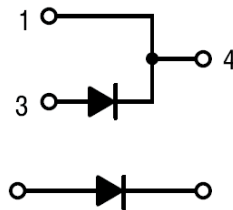


## Switchmode™ Power Rectifiers BYW29-200

### ■ Features

- Epoxy Meets UL 94 V-0 @ 0.125 in
- Low Forward Voltage
- Low Leakage Current
- High Temperature Glass Passivated Junction



### ■ Maximum Ratings And Electrical Characteristics @T<sub>A</sub>=25°C unless otherwise specified

Parameter	Symbol	Rating	Unit
Peak repetitive peak reverse voltage	V <sub>RRM</sub>	200	V
Average Rectified Output Current	I <sub>O</sub>	8.0	A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I <sub>FSM</sub>	100	A
Forward Voltage * @I <sub>F</sub> = 5A	V <sub>F</sub>	0.85	V
Forward Voltage T <sub>J</sub> = 150 °C @I <sub>F</sub> = 20A		1.3	V
Reverse leakage current * Rated Dc Voltage, T <sub>J</sub> = 100°C	I <sub>RM</sub>	600	μ A
Rated Dc Voltage, T <sub>J</sub> = 25°C		5.0	
Maximum Reverse Recovery Time I <sub>F</sub> = 1.0 A, di/dt = 50 A/μ s	t <sub>rr</sub>	35	ns
I <sub>F</sub> = 0.5 A, I <sub>R</sub> = 1.0 A, I <sub>REC</sub> = 0.25 A		25	ns
Operating junction and storage temperatures	T <sub>J</sub> .T <sub>Stg</sub>	-65 to 175	°C
Thermal resistance,junction to case per leg	R <sub>thJC</sub>	3	°C/W

\* Pulse Test: Pulse Width = 300 μ s, Duty Cycle ≤ 2.0%.