

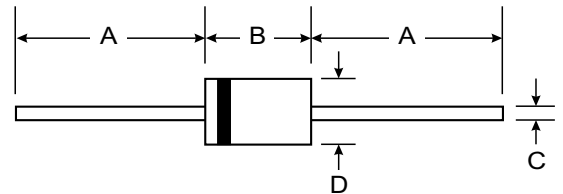
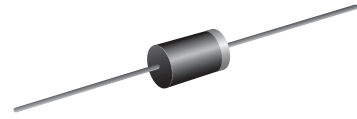
**VOLTAGE RANGE: 200V**  
**CURRENT: 3.0 A**

### Features

- High VRM SBD
- Low Forward Voltage Drop
- Low Power Loss, High Efficiency
- High Surge Capability

### Mechanical Data

- Case: DO-201AD, Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: Cathode Band
- Weight: 1.2 grams (approx.)
- Mounting Position: Any
- Marking: Type Number



DO-201AD		
Dim	Min	Max
A	25.40	—
B	7.20	9.50
C	1.20	1.30
D	4.80	5.30
All Dimensions in mm		

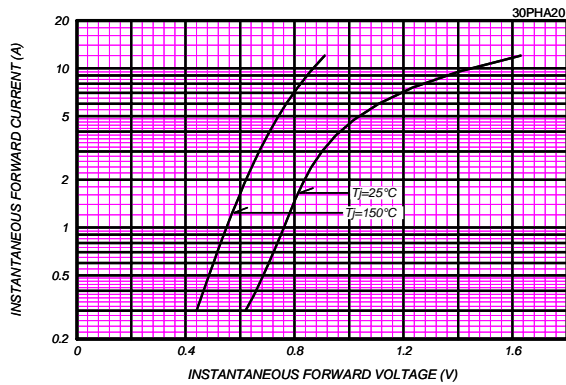
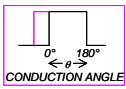
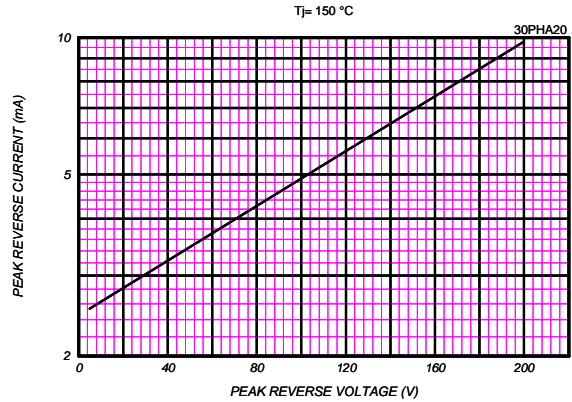
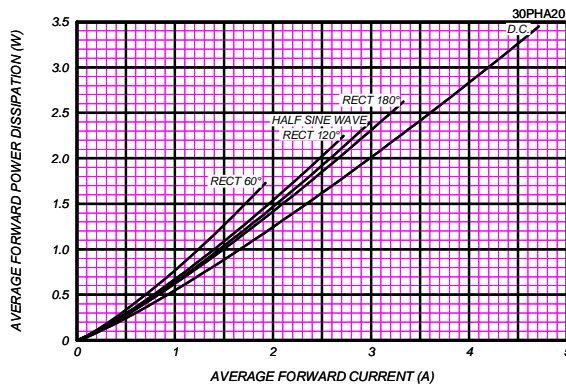
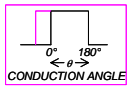
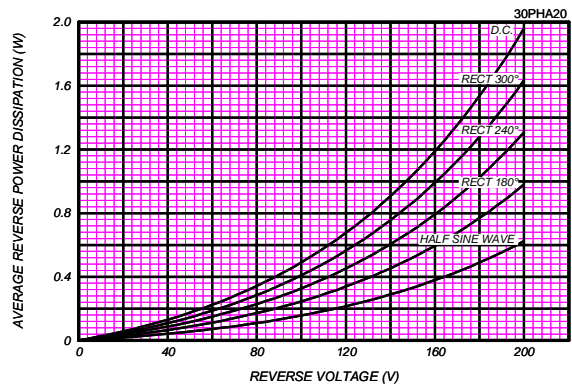
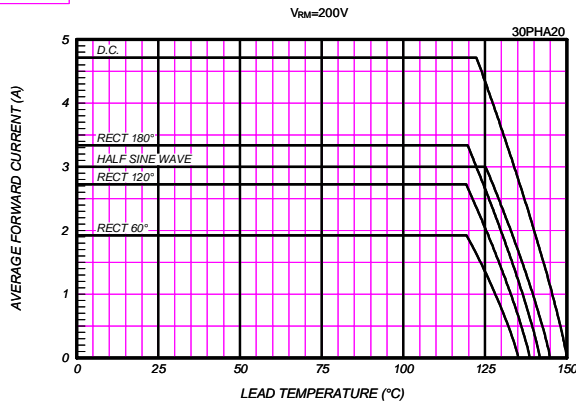
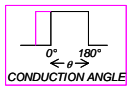
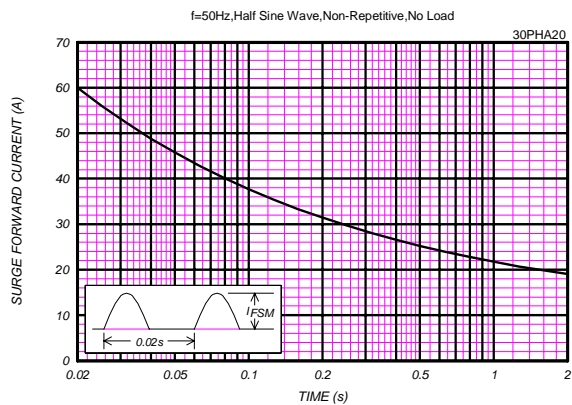
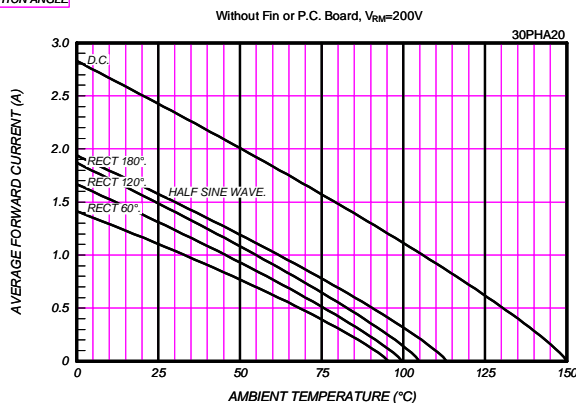
### Maximum Ratings and Electrical Characteristics T<sub>A</sub> = 25°C unless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Rating	Symbol	30PHA20		Unit
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	200		V
Average Rectified Output Current	I <sub>O</sub>	3.0	T <sub>l</sub> =125°C (T <sub>l</sub> :Lead Temperature) 50Hz Half Sine Wave Resistive Load	A
		1.4		
RMS Forward Current	I <sub>F(RMS)</sub>	4.71		A
Surge Forward Current	I <sub>FSM</sub>	60	50Hz Half Sine Wave, 1cycle, Non-repetitive	A
Operating Junction Temperature Range	T <sub>jw</sub>	- 40 to + 150		°C
Storage Temperature Range	T <sub>stg</sub>	- 40 to + 150		°C

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	I <sub>RM</sub>	T <sub>j</sub> = 25°C, V <sub>RM</sub> = V <sub>RRM</sub>	-	-	200	μA
Peak Forward Voltage	V <sub>FM</sub>	T <sub>j</sub> = 25°C, I <sub>FM</sub> = 3 A	-	-	0.90	V
Thermal Resistance	R <sub>th(j-l)</sub>	Junction to Lead	-	-	8	°C/W
	R <sub>th(j-a)</sub>	Junction to Ambient *	-	-	80	

\*: Print Lands 5x5mm, Both sides

**FORWARD CURRENT VS. VOLTAGE**

**PEAK REVERSE CURRENT VS. PEAK REVERSE VOLTAGE**

**AVERAGE FORWARD POWER DISSIPATION**

**AVERAGE REVERSE POWER DISSIPATION**

**AVERAGE FORWARD CURRENT VS. LEAD TEMPERATURE**

**SURGE CURRENT RATINGS**

**AVERAGE FORWARD CURRENT VS. AMBIENT TEMPERATURE**

**JUNCTION CAPACITANCE VS. REVERSE VOLTAGE**
