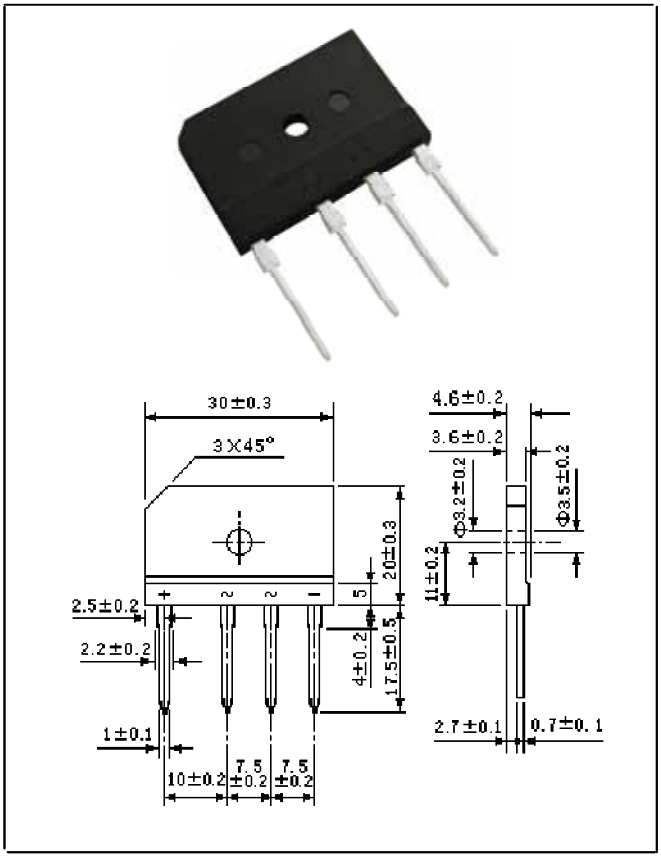
D20SB10(RBV2002S) Thru D20SB100(RBV2007S)

FEATURES

- **Plastic Package has Underwriters Laboratory Flammability Classification 94V-0**
- **This series is UL listed under the Recognized Component index,file number E231047**
- **Single-in-line package**
- **High current capality with small package**
- **Superior thermal conductivity**
- **High temperature soldering guaranted: 260℃/10 seconds**
- **High I_{FSM}**



Maximum Ratings & Thermal Characteristics **Ratings at 25℃ ambient temperature unless otherwise specified.**

Parameter Symbol	Symbol	D20SB10 RBV2002S	D20SB20 RBV2003S	D20SB40 RBV2004S	D20SB60 RBV2005S	D20SB80 RBV2006S	D20SB100 RBV2007S	Unit
Maximum repetitive voltage	V_{RM}	100	200	400	600	800	1000	V
Maximum DC reverse current TA=25℃ at rated DC blocking voltage TA=125℃	I_R	5 500						μA
Average rectified forward current 60Hz Sine wave Resistance load with heat sink Tc=100℃	Io	20						A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	300						A
Dielectric strength Terminals to case, AC 1 minute Current 1mA	Vdia	2.5						KV
Maximum instantaneous forward voltage at 10A	V_F	1.1						V
Operating junction temperature	T_J	150						℃
Storage temperature	Tstg	-40~150						℃