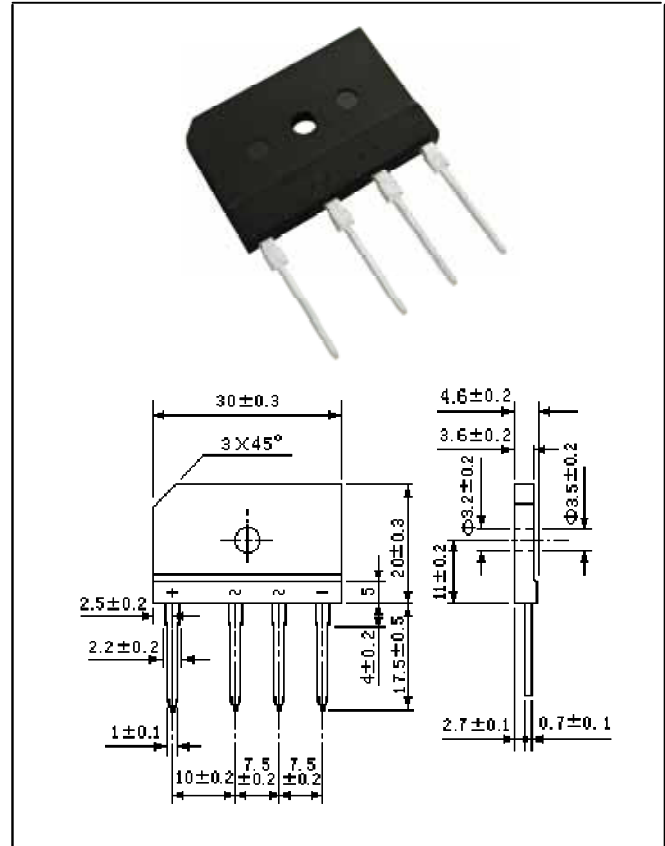


## D20SB10(RBV2002S) Thru D20SB100(RBV2007S)

### 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 capacity with small package
- Superior thermal conductivity
- High temperature soldering guaranteed:  
260°C/10 seconds
- High  $I_{FSM}$



Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

Parameter Symbol	Symbol	D20SB10	D20SB20	D20SB40	D20SB60	D20SB80	D20SB100	Unit
		RBV2002S	RBV2003S	RBV2004S	RBV2005S	RBV2006S	RBV2007S	
Maximum repetitive voltage	$V_{RM}$	100	200	400	600	800	1000	V
Maximum DC reverse current at rated DC blocking voltage	$I_R$	5 500						$\mu A$
Average rectified forward current 60Hz Sine wave Resistance load with heat sink $T_c=100^\circ C$	$I_o$	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	$V_{dia}$	2.5						KV
Maximum instantaneous forward voltage at 10A	$V_F$	1.1						V
Operating junction temperature	$T_J$	150						°C
Storage temperature	$T_{stg}$	-40~150						°C