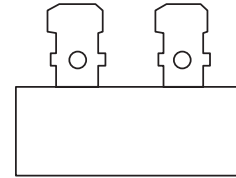


FEATURES

- 1). Surge overload rating: -200~400 Amperes peak
- 2). Low forward voltage drop
- 3). Mounting position: Any
- 4). Electrically isolated base-1800 Volts
- 5). Solderable 0.25" FASTON terminals
- 6). Materials used carries U/L recognition

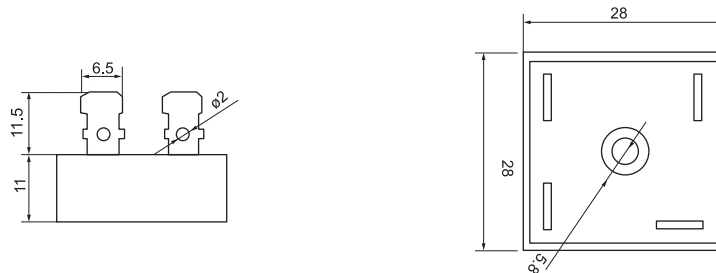


MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Single-phase, half-wave, 60HZ, resistive or inductive load rating at 25 , unless otherwise stated, for capacitive load, derate current by 20%)

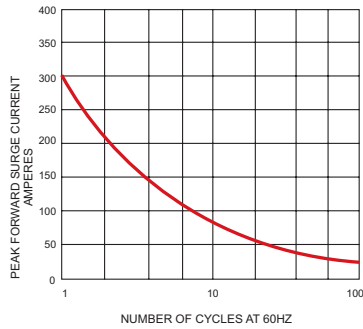
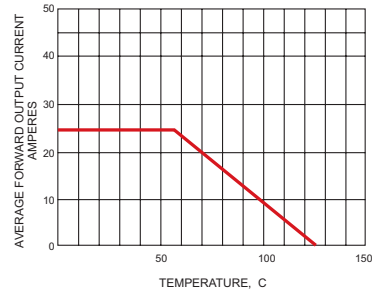
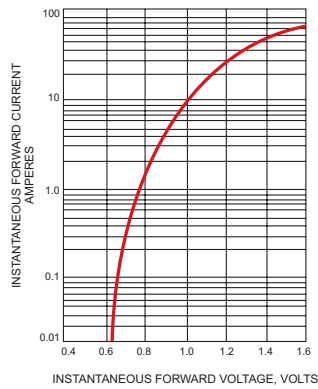
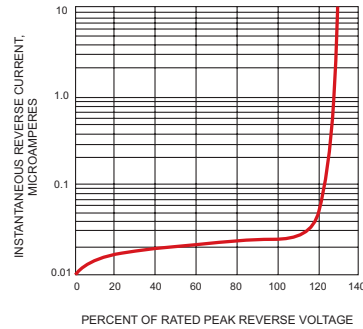
Parameter	Symbol	KBPC 3010	Units
Maximum recurrent peak reverse voltage	V_{RRM}	1000	V
Maximum RMS voltage	V_{RMS}	700	V
Maximum DC blocking voltage	V_{DC}	1000	V
Maximum average forward rectified current at $T_c=55^\circ\text{C}$	$I_{F(AV)}$	30	A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	400	A
Maximum instantaneous forward voltage drop per element at	V_F	1.2	V
Maximum DC reverse current at rated DC blocking voltage per element	I_R	10.0	μA
		500	
Operating temperature range	T_J	-55 to +150	$^\circ\text{C}$
Storage and operation junction temperature	T_{STG}	-55 to +150	$^\circ\text{C}$

OUTLINE



RATING AND CHARACTERISTICS CURVES

FIG. 1 - MAXIMUM FORWARD SURGE CURRENT


 FIG. 2 - DERATING CURVE
 OUTPUT RECTIFIED CURRENT

 FIG. 3 - TYPICAL FORWARD
 CHARACTERISTICS

 FIG. 4 - TYPICAL REVERSE
 CHARACTERISTICS


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