

### THREE - PHASE SILICON BRIDGE

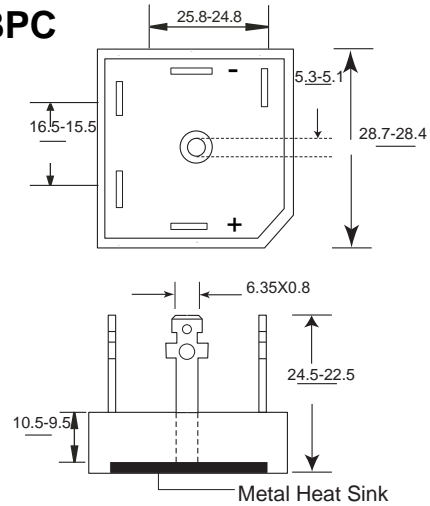
VOLTAGE RANGE: 50 -- 1000 V

CURRENT: 15.0 A

### FEATURES

- ◇ Rating to 1000 V
- ◇ Low forward voltage drop
- ◇ Small size, simple installation
- ◇ Tinned copper leads
- ◇ Mounting: Thru hole for #6 screw

### SKBPC



inch(mm)

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

		DB15 - 005	DB15 - 01	DB15 - 02	DB15 - 04	DB15 - 06	DB15 - 08	DB15 - 10	UNITS
Maximum recurrent peak reverse voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Maximum RMS voltage	$V_{RMS}$	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	$V_{DC}$	50	100	200	400	600	800	1000	V
Maximum average forward rectified output current @ $T_A=50^\circ\text{C}$	$I_{(AV)}$	15.0							A
Peak forward surge current 8.3ms single half-sine-wave	$I_{FSM}$	250							A
Maximum forward voltage drop per element at 7.5 A peak	$V_F$	1.05							V
Maximum reverse current @ $T_A=25^\circ\text{C}$ at rated DC blocking voltage per element @ $T_A=100^\circ\text{C}$	$I_R$	10 1.0							$\mu\text{A}$ mA
Thermal resistance junction to case	$R_{\theta JC}$	3.3							K/W
Operating temperature range	$T_j$	- 55 --- + 125							°C
Storage temperature range	$T_{STG}$	- 55 --- + 150							°C

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