

THREE - PHASE SILICON BRIDGE

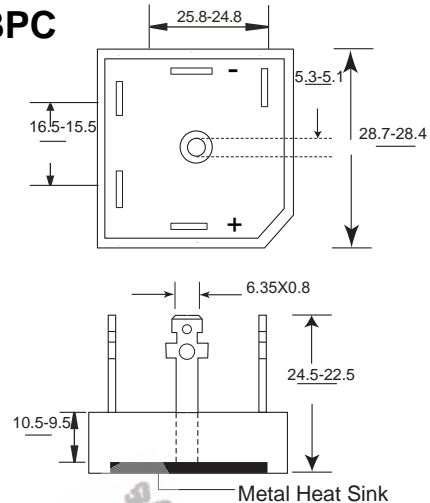
VOLTAGE RANGE: 50 -- 1000 V

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							μA
		1.0							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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