

Rating to 1000V PRV

Surge 0.0006 Tw 0.79 0.036 Td(S)39cs 0.1Tw 0.79 0G469.9Tc4(oa9cs 0d Td(i)18(cs 0t)8(h)(er4(i)078)8(h)o A)Tj/T3to 1000V PRV

		KBJ 8A	KBJ 8B	KBJ 8D	KBJ 8G	KBJ 8J	KBJ 8K	KBJ 8M	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 Output current @ $T_A=110^\circ\text{C}$	$I_{F(AV)}$				8.0				A
Peak forward surge current 8.3ms single half-sine-wave superimposed on rated load	I_{FSM}				200.0				A
Maximum instantaneous forward voltage at 4.0 A	V_F				1.0				V
Maximum reverse current @ $T_A=25^\circ\text{C}$ at rated DC blocking voltage @ $T_A=100^\circ\text{C}$					1.0				μA mA
Typical junction capacitance per element	C_J								pF
Typical thermal resistance	$R_{\theta JC}$								$^\circ\text{C}/\text{W}$
Operating junction temperature range	T_J								$^\circ\text{C}$
Storage temperature range	T_{STG}								$^\circ\text{C}$

2. Device mounted on 300mm X 300mm X 1.6mm cu Plate heatsink.

