BCX69 (KCX69)

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Low collector-emitter saturation voltage

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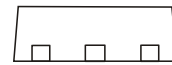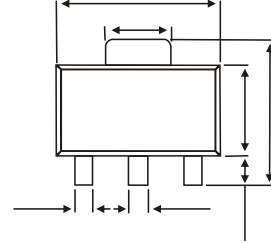
Parameter	Symbol	Rating	Unit
Collector - Base Voltage	V_{CBO}	-25	V
Collector - Emitter Voltage	V_{CEO}	-20	
Emitter - Base Voltage	V_{EBO}	-5	
Collector Current - Continuous	I_C	-1	A
Peak Collector Current	I_{CM}	-2	
Base Current	I_B	-100	mA
Peak Base Current	I_{BM}	-200	
Collector Power Dissipation	P_C	1	W
Thermal Resistance.Junction- to-Ambient	R_{thJA}	75	K/W
Thermal Resistance.Case-to-Sink Typ	R_{thJS}	20	
Junction Temperature	T_J	150	
Storage Temperature range	T_{stg}	-65 to 150	

Typical Characterisitics

Total power dissipation

$P_{tot} = f''(T_A{}^*; T_S)$

※Package mounted on epoxy
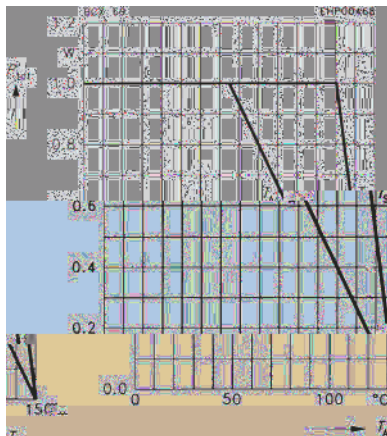
Permissible pulse load

$P_{tot\,max}/P_{tot\,DC} = f(t_p)$