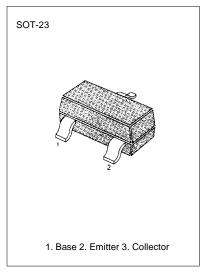
PNP EPITAXIAL SILICON TRANSISTOR

GENERAL PURPOSE TRANSISTOR

ABSOLUTE MAXIMUM RATINGS (T_A=25°C)

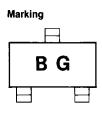
Characteristic	Symbol	Rating	Unit
Collector-Base Voltage Collector-Emitter Voltage Emitter-Base Voltage Collector Current Collector Dissipation Storage Temperature	V _{CBO} V _{CEO} V _{EBO} I _C P _C T _{STG}	-45 -45 -5.0 -100 350 150	∨ ∨ mA mW °C

Refer to KS5086 for graphs



ELECTRICAL CHARACTERISTICS (T_A=25°C)

Characteristic	Symbol	Test Conditions	Min	Max	Unit
Collector-Emitter Breakdown Voltage Emitter-Base Breakdown Voltage Collector Cut-off Current DC Current Gain Collector-Emitter Saturation Voltage Base-Emitter Saturation Voltage Base-Emitter On Voltage Current Gain Bandwidth Product Noise Figure Turn On Time Turn Off Time	$\begin{array}{c} BV_{CEO}\\ BV_{EBO}\\ I_{CES}\\ h_{FE} \end{array} \\ V_{CE}\left(sat\right)\\ V_{BE}\left(sat\right)\\ V_{BE}\left(on\right)\\ C_{OB}\\ NF\\ T_{OFF} \end{array}$	$\begin{array}{l} _{C^{=}} -2mA, I_{B} = 0 \\ _{E^{=}} -1\muA, I_{C} = 0 \\ V_{CE^{=}} -32V, V_{BE} = 0 \\ V_{EB^{=}} -5V, I_{C^{=}} -2mA \\ V_{CE^{=}} -10mA, I_{B^{=}} -0.25mA \\ I_{C^{=}} -10mA, I_{B^{=}} -0.25mA \\ I_{C^{=}} -50mA, I_{B^{=}} -1.25mA \\ I_{C^{=}} -50mA, I_{B^{=}} -1.25mA \\ I_{C^{=}} -50mA, I_{B^{=}} -1.25mA \\ I_{C^{=}} -2mA, V_{CE^{=}} -5V \\ V_{CB^{=}} -10V, I_{E^{=}} 0 \\ f_{=} 1MHz \\ I_{C^{=}} 0.2mA, V_{CE^{=}} 5V \\ R_{S^{=}} 2K\Omega, f_{=} 1KHz \\ I_{C^{=}} -10mA, I_{B^{=}} -1mA \\ I_{B^{2^{=}}} -1mA, V_{BB} = 3.6V \\ R_{L^{=}} 90\Omega\Omega \end{array}$	-45 -5 120 60 -0.6 -0.68 -0.6	-20 220 -0.25 -0.55 -0.85 -1.05 -0.75 6 6 6 150 800	V V nA V V V V PF dB ns ns





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Rev. B

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