

## PNP EPITAXIAL SILICON TRANSISTOR

Absolute Maximum Ratings T<sub>a</sub>=25°C unless otherwise noted

Symbol	Parameter	Ratings	Units	
V <sub>CBO</sub>	Collector-Base Voltage	-160	V	
V <sub>CEO</sub>	Collector-Emitter Voltage	-160	V	
V <sub>EBO</sub>	Emitter-Base Voltage	-6	V	
I <sub>C</sub>	Collector Current	-1	A	
IB	Base Current	-0.5	A	
P <sub>C</sub>	Collector Power Dissipation	900	mW	
TJ	Junction Temperature	150	°C	
T <sub>STG</sub>	Storage Temperature	-55 ~ 150	°C	

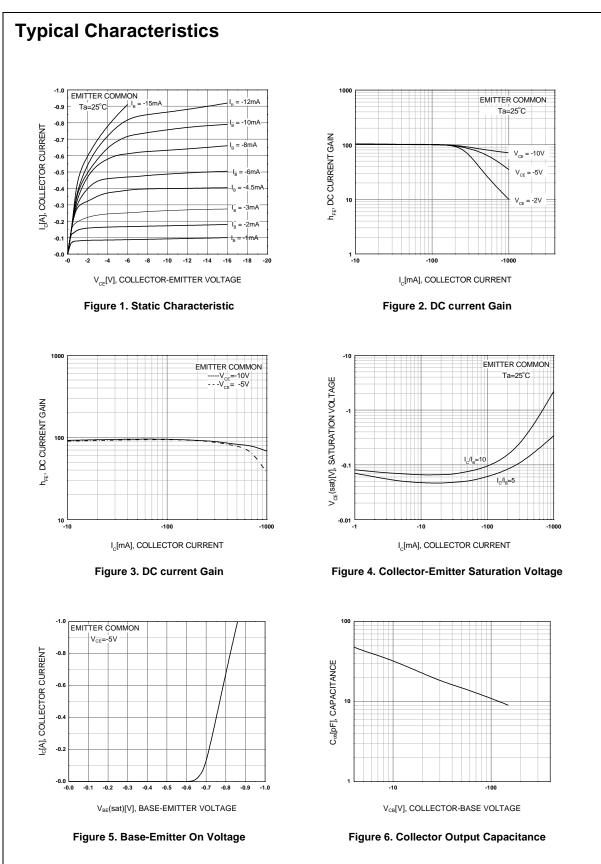
### Electrical Characteristics Ta=25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
I <sub>CBO</sub>	Collector Cut-off Current	V <sub>CB</sub> = -150V, I <sub>E</sub> =0			-1	μΑ
I <sub>EBO</sub>	Emitter Cut-off Current	V <sub>EB</sub> = -6mA, I <sub>C</sub> =0			-1	μΑ
BV <sub>CEO</sub>	Collector-Emitter Breakdown Voltage	I <sub>C</sub> = -10mA, I <sub>B</sub> =0	-160			V
h <sub>FE</sub>	DC Current Gain	V <sub>CE</sub> = -5V, I <sub>C</sub> = -200mA	60		320	
V <sub>CE</sub> (sat)	Collector-Emitter Saturation Voltage	I <sub>C</sub> = -500mA, I <sub>B</sub> = -50mA			-1.5	V
V <sub>BE</sub> (on)	Base-Emitter On Voltage	V <sub>CE</sub> = -5V, I <sub>C</sub> = -5mA	-0.45		-0.75	V
f <sub>T</sub>	Current Gain Bandwidth Product	V <sub>CE</sub> = -5V, I <sub>C</sub> = -200mA	15	50	TV .	MHz
C <sub>ob</sub>	Output Capacitance	V <sub>CB</sub> = -10V, I <sub>E</sub> =0, f=1MHz	1000	EC.	35	pF

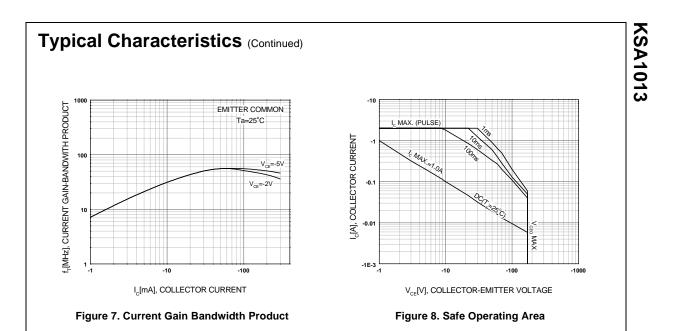
### h<sub>FE</sub> Classification

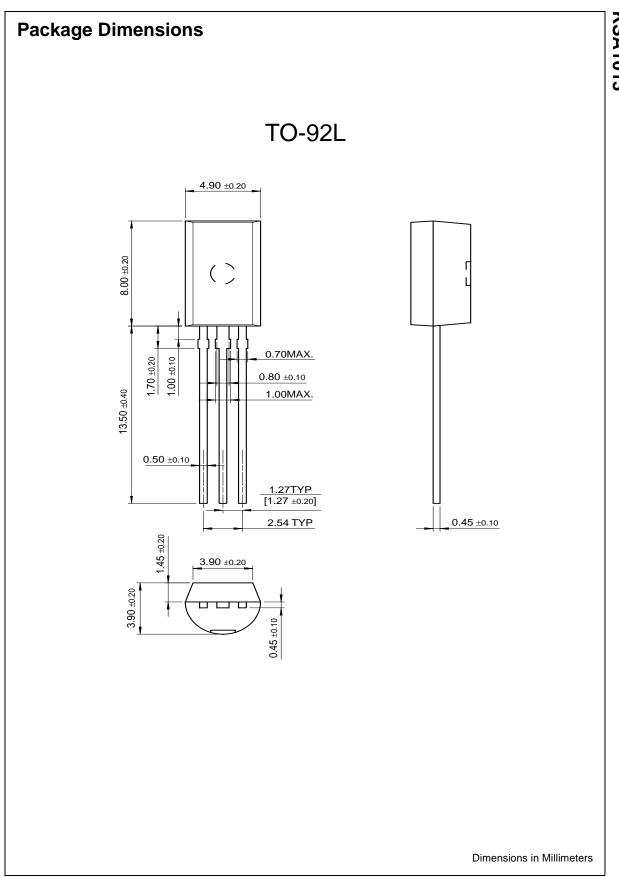
Classification	R	0	Y
h <sub>FE</sub>	60 ~ 120	100 ~ 200	160 ~ 320





# KSA1013





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The Power Franchise <sup>™</sup> Programmable Active Droop <sup>™</sup>				

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