



Micro Commercial Components



Micro Commercial Components
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KTA1664-O

KTA1664-Y

Features

- Low Collector Saturation Voltage
- Excellent current-to-gain characteristics
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

Symbol	Rating	Rating	Unit
V_{CEO}	Collector-Emitter Voltage	-30	V
V_{CBO}	Collector-Base Voltage	-35	V
V_{EBO}	Emitter-Base Voltage	-5.0	V
I_C	Collector Current	-0.8	A
P_C	Collector power dissipation	0.5	W
$R_{\theta JA}$	Thermal Resistance From Junction To Ambient	250	$^{\circ}\text{C/W}$
T_J	Junction Temperature	150	$^{\circ}\text{C}$
T_{STG}	Storage Temperature	-55 to +150	$^{\circ}\text{C}$

Electrical Characteristics @ 25°C Unless Otherwise Specified

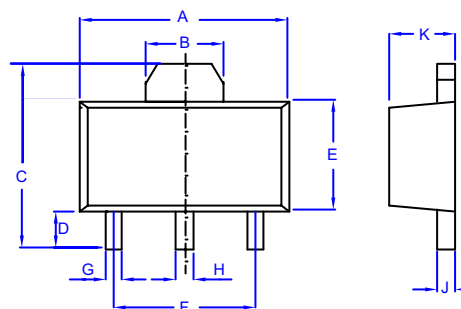
Symbol	Parameter	Min	Typ	Max	Units
$V_{(BR)CBO}$	Collector-base Breakdown Voltage ($I_C = -1\text{mA}$, $I_E = 0$)	-35	---	---	Vdc
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ($I_C = -10\text{mA}$, $I_E = 0$)	-30	---	---	Vdc
$V_{(BR)EBO}$	Emitter-base Breakdown Voltage ($I_E = -1\text{mA}$, $I_C = 0$)	-5	---	---	Vdc
I_{CBO}	Collector-Base Cutoff Current ($V_{CB} = -35\text{Vdc}$, $I_E = 0$)	---	---	-0.1	μA
I_{EBO}	Emitter-Base Cutoff Current ($V_{EB} = -5\text{Vdc}$, $I_C = 0$)	---	---	-0.1	μA
$h_{FE(1)}$	DC Current Gain ($I_C = -1\text{A}$, $V_{CE} = -2.0\text{Vdc}$)	100	---	320	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C = -500\text{mA}$, $I_E = -20\text{mA}$)	---	---	-0.7	Vdc
V_{BE}	Base-Emitter Voltage ($I_C = -10\text{mA}$, $V_{CE} = -1\text{Vdc}$)	-0.5	---	-0.8	Vdc
f_T	Transition Frequency ($V_{CE} = -5\text{Vdc}$, $I_C = -10\text{mA}$)	---	120	---	MHz
C_{ob}	Collector output capacitance ($V_{CB} = -10\text{Vdc}$, $I_E = 0$, $f = 1.0\text{MHz}$)	---	19	---	pF

CLASSIFICATION OF H_{FE}10

Rank	O	Y
Range	100-200	180-390
Marking	RO	RY

PNP Silicon Epitaxial Transistors

SOT-89



1. Base
2. Collector
3. Emitter

DIM	INCHES		MM		NOTES
	MIN	MAX	MIN	MAX	
A	.173	.181	4.39	4.60	
B	.061	----	1.55	----	REF.
C	.154	.165	3.91	4.25	
D	.031	.039	0.80	1.00	
E	.092	.100	2.34	2.54	
F	.118	----	3.00	----	TYP
G	.013	.019	0.33	0.48	
H	.015	.021	0.38	0.53	
J	.015	.016	0.38	0.41	
K	.055	.063	1.40	1.60	

Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel; 1Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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