



Micro Commercial Components



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KTA1504-O KTA1504-Y KTA1504-GR

PNP Silicon Epitaxial Transistors

Features

- Halogen free available upon request by adding suffix "-HF"
- Complementary to KTC3875
- Low Noise
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

Maximum Ratings @ $T_a = 25^\circ\text{C}$ (unless otherwise noted)

Symbol	Parameter	Value	Unit
I_C	Collector Current	-0.15	A
P_D	Collector Power Dissipation	0.15	W
$R_{\theta JA}$	Thermal Resistance From Junction To Ambient	833	$^\circ\text{C/W}$
T_J	Junction Temperature	150	$^\circ\text{C}$
T_{STG}	Storage Temperature Range	-55 to +150	$^\circ\text{C}$

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	TYPE	Max	Units
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OFF CHARACTERISTICS

$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ($I_C = -1\text{mA}$, $I_E = 0$)	-50			V
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage ($I_C = -100\mu\text{A}$, $I_E = 0$)	-50			V
$V_{(BR)EBO}$	Collector-Base Breakdown Voltage ($I_E = -100\mu\text{A}$, $I_C = 0$)	-5.0			V
I_{CBO}	Collector-Base Cutoff Current ($V_{CB} = -50\text{Vdc}$, $I_E = 0$)			-0.1	μA
I_{EBO}	Emitter-Base Cutoff Current ($V_{EB} = -5.0\text{Vdc}$, $I_C = 0$)			-0.1	μA

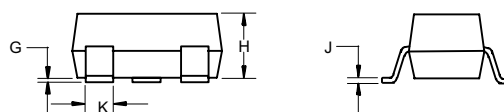
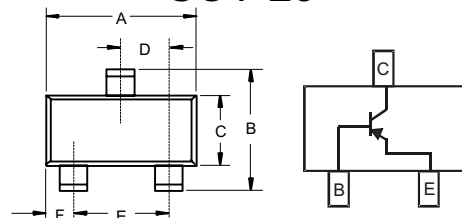
ON CHARACTERISTICS

H_{FE}	DC Current Gain ($I_C = -2\text{mA}$, $V_{CE} = -6.0\text{Vdc}$)	70		400	
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C = -100\text{mA}$, $I_B = -10\text{mA}$)			-0.3	Vdc
F_T	Transition Frequency ($V_{CE} = -10\text{Vdc}$, $I_C = -1\text{mA}$)	80			MHZ
C_{ob}	($V_{CB} = -10\text{Vdc}$, $I_E = 0$, $f = 1\text{MHZ}$)			7	pF

CLASSIFICATION OF h_{FE}

Rank	O	Y	GR
Range	70-140	120-240	200-400
Marking	ASO	ASY	ASG

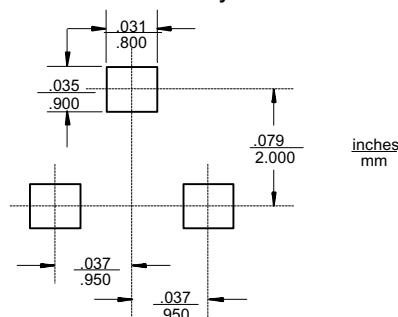
SOT-23



DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.110	.120	2.80	3.04	
B	.083	.104	2.10	2.64	
C	.047	.055	1.20	1.40	
D	.035	.041	.89	1.03	
E	.070	.081	1.78	2.05	
F	.018	.024	.45	.60	
G	.0005	.0039	.013	.100	
H	.035	.044	.89	1.12	
J	.003	.007	.085	.180	
K	.015	.020	.37	.51	

Suggested Solder Pad Layout



Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel; 3Kpcs/Reel

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

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