Elektronische Bauelemente

KTA1504

-0.15A , -50V

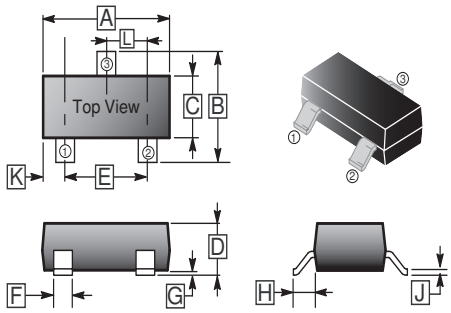
PNP Plastic Encapsulated Transistor

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURE

- Low Noise
- Complementary to KTC3875
- Excellent h_{FE} Linearity

SOT-23



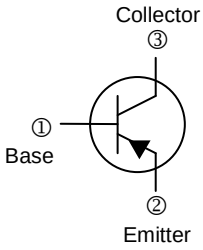
REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.80	3.04	G	0.09	0.18
B	2.10	2.55	H	0.45	0.60
C	1.20	1.40	J	0.08	0.177
D	0.89	1.15	K	0.6 REF.	
E	1.78	2.04	L	0.89	1.02
F	0.30	0.50			

CLASSIFICATION OF h_{FE}

Product-Rank	KTA1504-O	KTA1504-Y	KTA1504-GR
Range	70~140	120~240	200~400
Marking Code	ASO	ASY	ASG

PACKAGE INFORMATION

Package	MPQ	Leader Size
SOT-23	3K	7 inch



ABSOLUTE MAXIMUM RATINGS (T_A=25°C unless otherwise specified)

Parameter	Symbol	Ratings	Unit
Collector to Base Voltage	V_{CBO}	-50	V
Collector to Emitter Voltage	V_{CEO}	-50	V
Emitter to Base Voltage	V_{EBO}	-5	V
Collector Current - Continuous	I_C	-150	mA
Collector Power Dissipation	P_C	150	mW
Thermal Resistance From Junction To Ambient	$R_{\theta JA}$	833	℃ / W
Junction, Storage Temperature	T_J, T_{STG}	150, -55~150	℃

ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise specified)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Collector to Base Breakdown Voltage	$V_{(BR)CBO}$	-50	-	-	V	I_C= -100μA, I_E=0
Collector to Emitter Breakdown Voltage	$V_{(BR)CEO}$	-50	-	-	V	I_C= -1mA, I_B=0
Emitter to Base Breakdown Voltage	$V_{(BR)EBO}$	-5	-	-	V	I_E= -100μA, I_C=0
Collector Cut-Off Current	I_{CBO}	-	-	-0.1	μA	V_{CB}= -50V, I_E=0
Emitter Cut-Off Current	I_{EBO}	-	-	-0.1	μA	V_{EB}= -5V, I_C=0
DC Current Gain	h_{FE}	70	-	400		V_{CE}= -6V, I_C= -2mA
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	-	-	-0.3	V	I_C= -100mA, I_B= -10mA
Transition Frequency	f_T	80	-	-	MHz	V_{CE}= -10V, I_C= -1mA
Collector Output Capacitance	C_{ob}	-	-	7	pF	V_{CB}= -10V, I_E=0, f=1MHz