



Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Low frequency power amplifier application
- Power switching application
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1

PNP Plastic-Encapsulate Transistors

Maximum Ratings @ 250C Unless Otherwise Specified

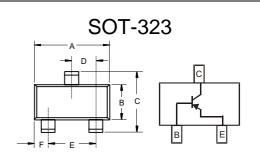
Symbol	Rating	Rating	Unit
V_{CEO}	Collector-Emitter Voltage	-50	V
V_{CBO}	Collector-Base Voltage	-50	V
V_{EBO}	Emitter-Base Voltage	-5	V
I _C	Collector Current-Continuous	150	mA
Pc	Collector Dissipation	100	mW
TJ	Operating Junction Temperature	150	$^{\circ}\mathbb{C}$
T _{STG}	Storage Temperature	-55 to +150	$^{\circ}\mathbb{C}$

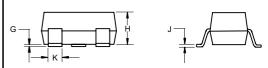
Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Тур	Max	Units
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage (I _C =-1mAdc, I _B =0)	-50			Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage (I _C =-0.1mAdc, I _E =0)	-50			Vdc
$V_{(BR)EBO}$	Collector-Emitter Breakdown Voltage (I _E =-0.1mAdc, I _C =0)				Vdc
I _{CBO}	Collector Cutoff Current (V _{CB} =-50Vdc,I _E =0)			-0.1	uA
I _{EBO}	Emitter Cutoff Current (V _{EB} =-5Vdc,I _C =0)		1	-0.1	uA
h _{FE}	DC Current Gain (V _{CE} =-6Vdc,I _C =-2mA)	70	1	400	
$V_{\text{CE(sat)}}$	Collector-Emitter Saturation Voltage (I _C =-100mAdc, I _B =-10mAdc)		-	- 0.3	Vdc
C _{ob}	Output Capacitance (V _{CB} =-10.0Vdc, I _E =0, f=1.0MHz)			7	pF
f⊤	Transition frequency (V _{CE} =-10Vdc, I _C =-1mAdc)	80			MHz

hfe CLASSIFICATION

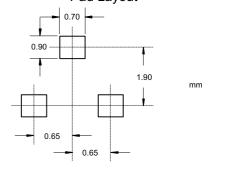
Rank	0	Υ	GR
Marking	SO	SY	SG
h _{FE}	70~120	120~240	200~400





DIMENSIONS					
	INC	HES	MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.071	.087	1.80	2.20	
В	.045	.053	1.15	1.35	
С	.079	.087	2.00	2.20	
D	.026 No	.026 Nominal		0.65Nominal	
Е	.047	.055	1.20	1.40	
F	.012	.016	.30	.40	
G	.000	.004	.000	.100	
Η	.035	.039	.90	1.00	
J	.004	.010	.100	.250	
K	.012	.016	.30	.40	

Suggested Solder Pad Layout

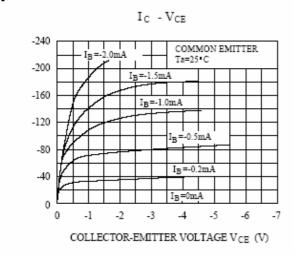


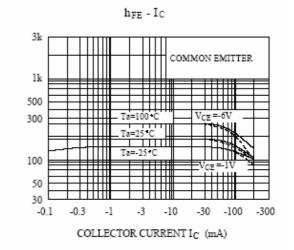


KTA2014 Typical Characteristics

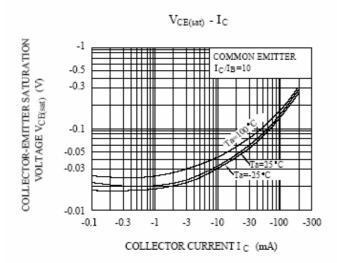
COLLECTOR CURRENT IC (mA)

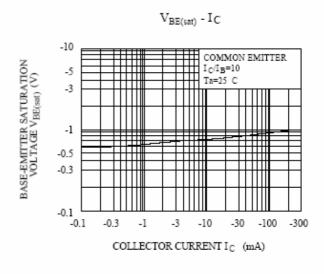
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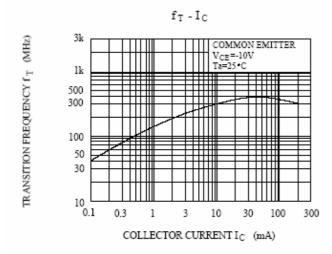


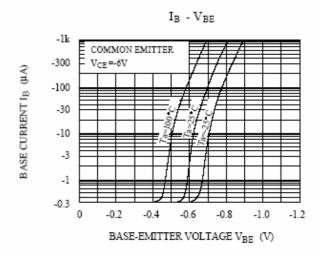


DC CURRENT GAIN hFE



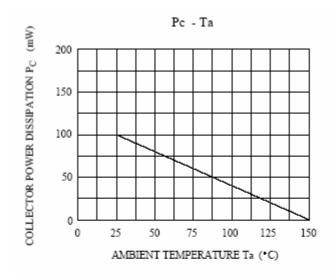








KTA2014 Typical Characteristics





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Ordering Information:

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

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