



Micro Commercial Components



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20736 Marilla Street Chatsworth
CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

**2SC4672-P
2SC4672-Q
2SC4672-R**

**NPN
Plastic-Encapsulate
Transistors**

Features

- Halogen free available upon request by adding suffix "-HF"
- Ideally Suited For Automatic Insertion
- Untral Small Surface Mount Package
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1

Maximum Ratings @ T_a = 25°C (unless otherwise noted)

Symbol	Parameter	Value	Unit
I _C	Collector Current	2	A
P _D	Total Device Dissipation	0.5	W
T _J	Junction Temperature	150	°C
T _{STG}	Storage Temperature Range	-55 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
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OFF CHARACTERISTICS

V _{(BR)CEO}	Collector-Emitter Breakdown Voltage (I _C =1mA _{dc} , I _B =0)	50		V
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I _C =50uA _{dc} , I _E =0)	60		V
V _{(BR)EBO}	Collector-Base Breakdown Voltage (I _E =50uA _{dc} , I _C =0)	6		V
I _{CBO}	Collector-Base Cutoff Current (V _{CB} =60V _{dc} , I _E =0)		0.1	μA _{dc}
I _{EBO}	Emitter-Base Cutoff Current (V _{EB} =5V _{dc} , I _C =0)		0.1	uA _{dc}

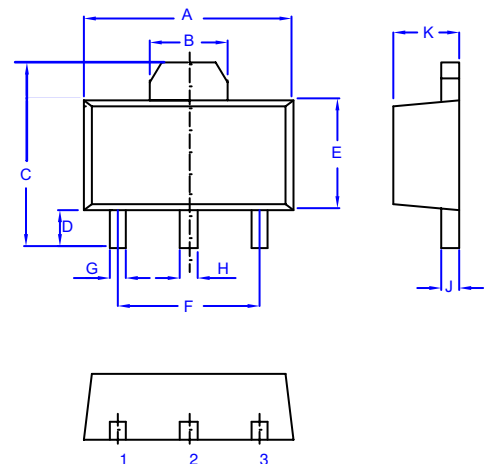
ON CHARACTERISTICS

h _{FE}	DC Current Gain (I _C =0.5A _{dc} , V _{CE} =2V _{dc})	82	270	
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _C =1A _{dc} , I _B =50mA _{dc})		0.35	V _{dc}
f _T	Transition Frequency (V _{CE} =2V _{dc} , I _C =500mA _{dc} , f=100MHZ)		210(typ)	MHZ
C _{ob}	Collector Output Capacitance (V _{CB} =10V _{dc} , I _E =0, f=1MHZ)		25(typ)	PF

CLASSIFICATION OF h_{FE}

Rank	P	Q	R
Range	82-180	120-270	180~390
Marking	DKP	DKQ	DKR

SOT-89

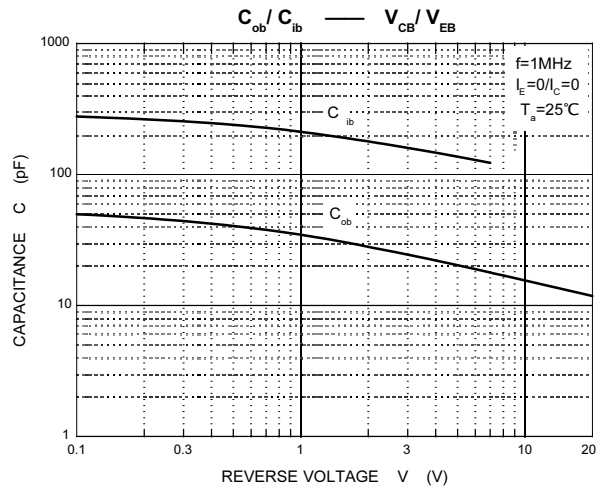
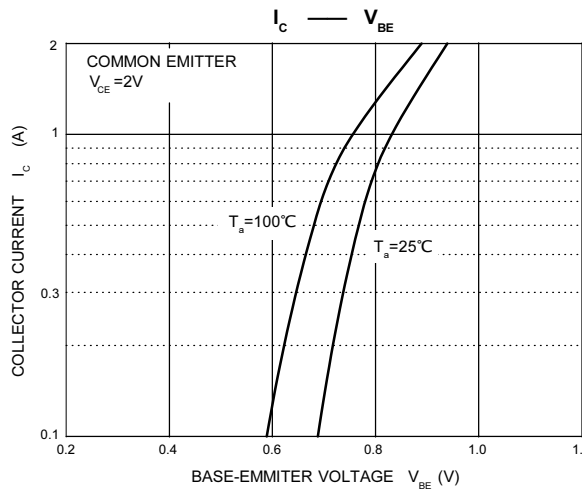
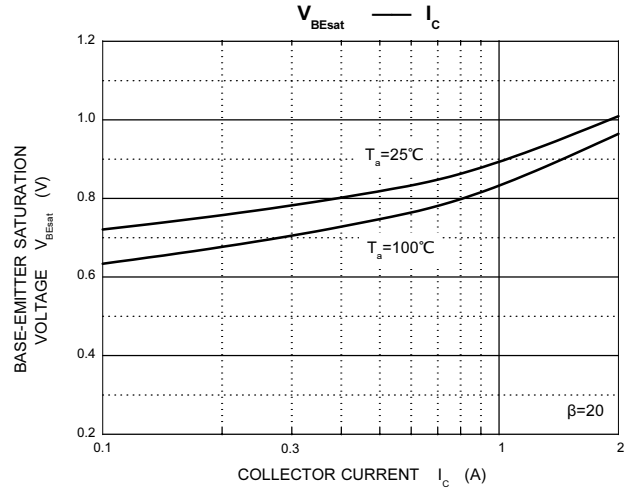
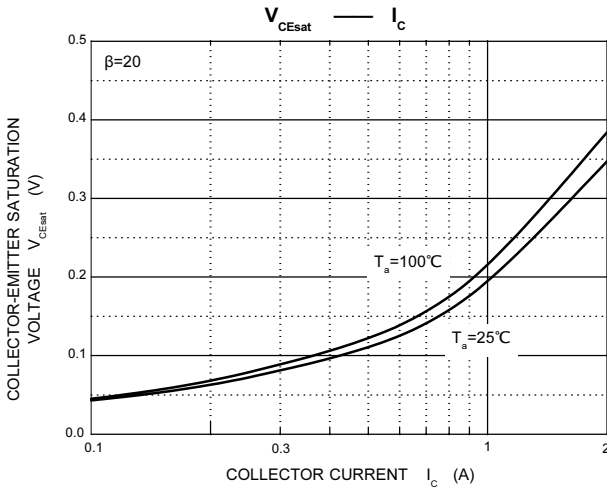
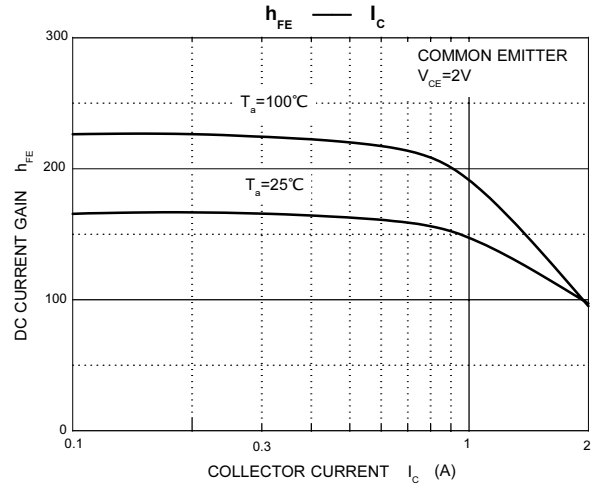
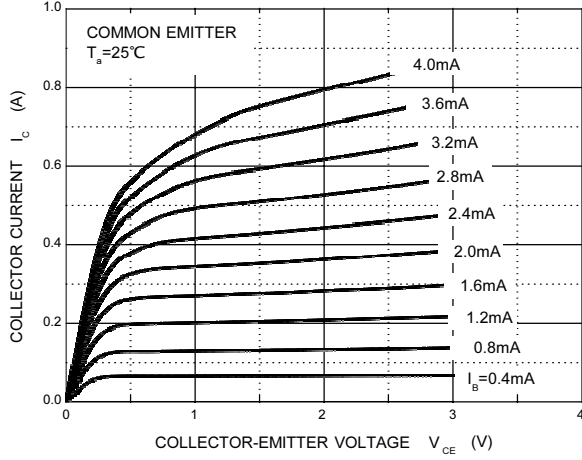


- 1.BASE
- 2.COLLECTOR
- 3.EMITTER

DIM	DIMENSINS				NOTES
	INCHES		MM		
	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	

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Static Characteristic





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Ordering Information :

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

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

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