Elektronische Bauelemente

2SC4672

500 mW, 60 V

NPN Plastic-Encapsulate Transistor

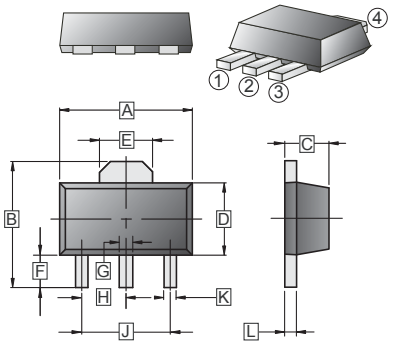
RoHS Compliant Product

A suffix of "-C" specifies halogen & lead-free

FEATURES

- Excellent DC current gain characteristics.
- Complements the 2SA1797

SOT-89

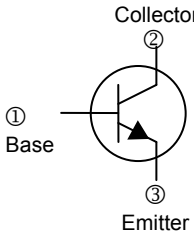


CLASSIFICATION OF h_{FE}

Rank	2SC4672-P	2SC4672-Q	2SC4672-R
Range	82~180	120~270	180~390
Marking	DKP	DKQ	DKR

PACKAGE INFORMATION

Package	MPQ	Leader Size
SOT-89	1K	7 inch



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	4.40	4.60	G	0.40	0.58
B	3.94	4.25	H	1.50 TYP	
C	1.40	1.60	J	3.00 TYP	
D	2.25	2.60	K	0.32	0.52
E	1.50	1.85	L	0.35	0.44
F	0.89	1.20			

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

PARAMETER	SYMBOL	RATING	UNIT
Collector to Base Voltage	V_{CBO}	60	V
Collector to Emitter Voltage	V_{CEO}	50	V
Emitter to Base Voltage	V_{EBO}	6	V
Continuous Collector Current	I_C	2	A
Collector Power Dissipation	P_C	500	mW
Thermal Resistance From Junction To Ambient	$R_{\theta JA}$	250	°C / W
Junction, Storage Temperature	T_J, T_{STG}	150, -55~150	°C

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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	TEST CONDITION
Collector to Base Breakdown Voltage	$V_{(BR)CBO}$	60	-	-	V	I_C=50μA, I_E = 0
Collector to Emitter Breakdown Voltage	$V_{(BR)CEO}$	50	-	-	V	I_C=1mA, I_B = 0
Emitter to Base Breakdown Voltage	$V_{(BR)EBO}$	6	-	-	V	I_E=50μA, I_C = 0
Collector Cut-Off Current	I_{CBO}	-	-	0.1	μA	V_{CB}=60 V, I_E = 0
Emitter Cut-Off Current	I_{EBO}	-		0.1	μA	V_{EB}=5 V, I_C = 0
DC Current Gain	h_{FE}	82	-	390		V_{CE}=2V, I_C=0.5A
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	-	-	0.35	V	I_C=1A, I_B=50mA
Transition Frequency	f_T	-	210	-	MHz	V_{CE} =2V, I_C =0.5A, f = 100 MHz
Collector Output Capacitance	C_{ob}	-	25	-	pF	V_{CB} = 10V, I_E = 0 , f=1MHz

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CHARACTERISTIC CURVES