

Micro Commercial Components



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

Features

- Complement to 2SA1774-Q/R/S
- 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 @ 25°C Unless Otherwise Specified

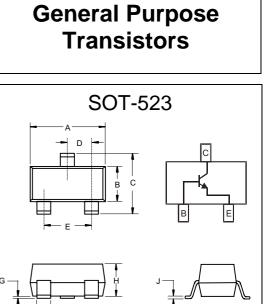
Symbol	Rating	Rating	Unit
V _{CEO}	Collector-Emitter Voltage	50	V
V _{CBO}	Collector-Base Voltage	60	V
V _{EBO}	Emitter-Base Voltage	7	V
lc	Collector Current-Continuous	150	mA
Pc	Collector Dissipation	150	mW
TJ	Operating Junction Temperature	-55 to +150	°C
T _{STG}	Storage Temperature	-55 to +150	C

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 =50uAdc, I _E =0)	60			Vdc
$V_{(BR)EBO}$	Collector-Emitter Breakdown Voltage (I _E =50uAdc, I _C =0)	7			Vdc
I _{CBO}	Collector Cutoff Current (V _{CB} =60Vdc, I _E =0Vdc)			0.1	μ Adc
I _{EBO}	Emitter Cutoff Current (V _{EB} =7Vdc, I _C =0Vdc)			0.1	μ Adc
h _{FE}	DC Current Gain (I _c =1mAdc, V _{CE} =6Vdc)	120		560	
$V_{\text{CE(sat)}}$	Collector-Emitter Saturation Voltage (I _c =50mAdc, I _B =5mAdc)			0.4	Vdc
f_{T}	Transition Frequency (V _{CE} =12Vdc, I _C =2mAdc, f=100MHz)		180		MHz
C_{ob}	Output Capacitance (V _{CB} =12Vdc, f=1.0MHz, I _E =0)		2.0	3.5	pF

Classification OF hFE

Rank	Q	R	S
Range	120-270	180-390	270-560
Marking	BQ	BR	BS

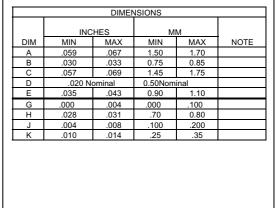


2SC4617-Q

2SC4617-R

2SC4617-S

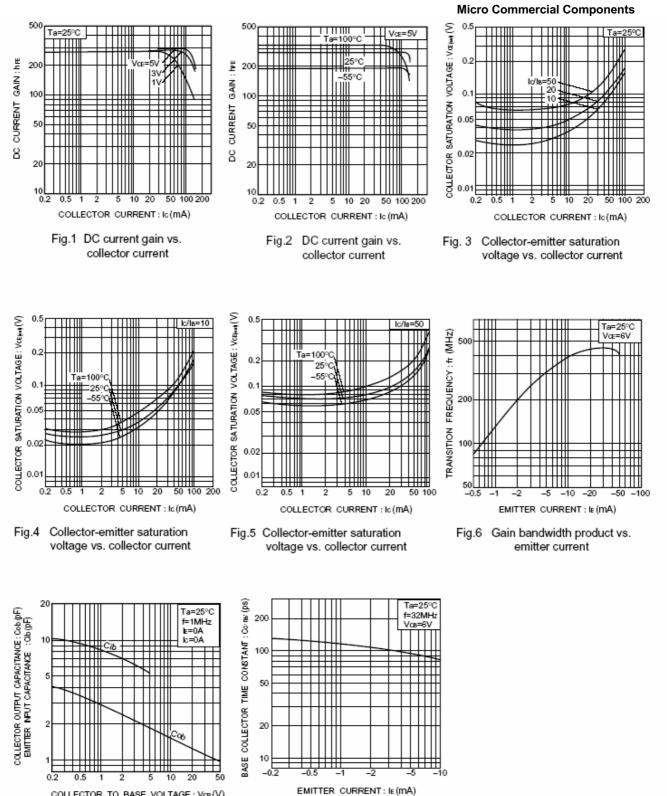
NPN



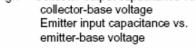
- www.mccsemi.com

2SC4617





COLLECTOR TO BASE VOLTAGE : Vos (V) EMITTER TO BASE VOLTAGE : VEB (V) Fig.7 Collector output capacitance vs. collector-base voltage



Revision: A

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Fig.8 Base-collector time constant

vs. emitter current

2011/01/01



Ordering Information :

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

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