

M·C·C·

Micro Commercial Components



Micro Commercial Components
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**2SC2655L-O
2SC2655L-Y**

Features

- Halogen free available upon request by adding suffix "-HF"
- Collector of 0.9Watts of Power Dissipation.
- Collector-current 2.0A
- Operating and storage junction temperature range: -55°C to +150°C
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/Rohs Compliant ("P"Suffix designates RoHS Compliant. See ordering information)

Electrical Characteristics @ 25°C Unless Otherwise Specified

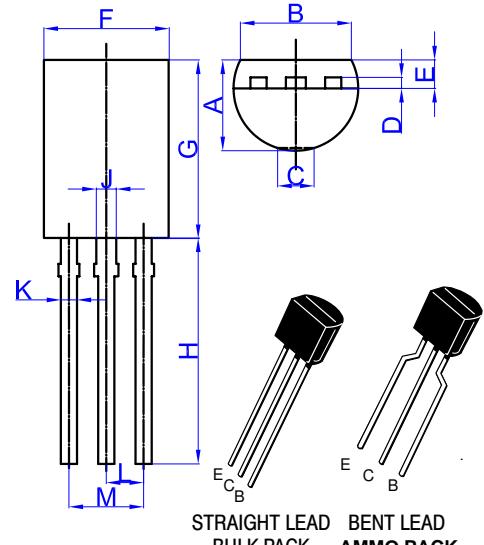
Symbol	Parameter	Min	Max	Units
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ($I_C=10\text{mA}$, $I_E=0$)	50	---	Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage ($I_C=100\text{uA}$, $I_E=0$)	50	---	Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage ($I_E=100\text{mA}$, $I_C=0$)	5.0	---	Vdc
I_{CBO}	Collector Cutoff Current ($V_{CB}=50\text{Vdc}$, $I_E=0$)	---	1.0	uAdc
I_{EBO}	Emitter Cutoff Current ($V_{EB}=5.0\text{Vdc}$, $I_C=0$)	---	1.0	uAdc
$h_{FE(1)}$	DC Current Gain ($I_C=0.5\text{Adc}$, $V_{CE}=2.0\text{Vdc}$)	70	240	---
$h_{FE(2)}$	DC Current Gain ($I_C=1.5\text{Adc}$, $V_{CE}=2.0\text{Vdc}$)	40	---	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C=1\text{Adc}$, $I_B=50\text{mA}$)	---	0.5	Vdc
$V_{BE(sat)}$	Base-Emitter Saturation Voltage ($I_C=1.0\text{Adc}$, $I_B=50\text{mA}$)	---	1.2	Vdc
f_T	Transistor Frequency ($I_C=500\text{mA}$, $V_{CE}=2.0\text{Vdc}$)	100(Typ)	MHz	
C_{ob}	Collector output capacitance ($I_E=0$, $V_{CB}=10\text{Vdc}$, $f=1\text{MHz}$)	40(Typ)	pF	
t_{on}	Turn-On time ($I_{B1}=-I_{B2}=0.05$, $V_{CC}=30\text{Vdc}$, $I_C=1\text{Adc}$)	0.1(Typ)	us	
t_s	Storage time ($I_{B1}=-I_{B2}=0.05$, $V_{CC}=30\text{Vdc}$, $I_C=1\text{Adc}$)	1.0(Typ)	us	
t_f	Fall time ($I_{B1}=-I_{B2}=0.05$, $V_{CC}=30\text{Vdc}$, $I_C=1\text{Adc}$)	0.1(Typ)	us	

CLASSIFICATION OF $h_{FE(1)}$

Rank	O	Y
Range	70-140	120-240

NPN Plastic-Encapsulate Transistor

TO-92L



DIMENSIONS					
DIM	MM		INCHES		NOTE
	MIN	MAX	MIN	MAX	
A	3.700	4.100	.146	.161	
B	4.000	---	.157	—	
C	0.000	0.300	0.000	0.012	
D	0.350	0.450	.014	.018	
E	1.280	1.580	.050	.062	
F	4.700	5.100	.185	.201	
G	7.800	8.200	.307	.323	
H	13.80	14.20	.543	.559	
J	.600	.800	.024	.031	
K	0.350	.550	.014	.022	
L	1.270		.050		Straight Lead
	2.200	2.800	.086	.110	Bent Lead
M	2.440	2.640	.096	.104	Straight Lead
	4.400	5.600	.173	.220	Bent Lead

* For ammo packing detailed specification, click here to visit our website of product packaging for details.

www.mccsemi.com



TM

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Ordering Information :

Device	Packing
Part Number-AP	Ammo Packing: 2Kpcs/Ammo Box
Part Number-BP	Bulk: 50Kpcs/Carton

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

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