



Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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KTC3205

Features

Power Dissipation: 1W (T_{amb}=25[°]C)

• Collector Current: 2A

Collector-base Voltage: 30V

Epoxy meets UL 94 V-0 flammability rating

Moisture Sensitivity Level 1

Marking: C3205

 Lead Free Finish/Rohs Compliant ("P"Suffix designates Compliant. See ordering information)

• Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

Symbol	Rating	Rating	Unit	
V_{CEO}	Collector-Emitter Voltage	30	V	
V_{CBO}	Collector-Base Voltage 30		V	
V_{EBO}	Emitter-Base Voltage	5.0	V	
Ic	Collector Current	2	Α	
Pc	Collector Power Dissipation	1000	mW	
ΤJ	Operating Junction Temperature	-55 to +150	$^{\circ}\mathbb{C}$	
T_{STG}	Storage Temperature	-55 to +150	$^{\circ}\!\mathbb{C}$	

Electrical Characteristics @ 25°C Unless Otherwise Specified

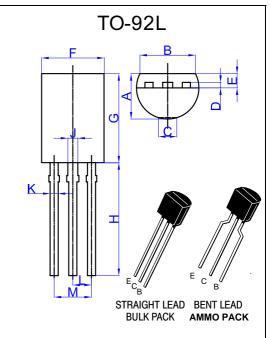
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Symbol	Parameter	Min	Тур	Max	Units
OFF CHARACTERISTICS					
I _{CBO}	Collector Cutoff Current (V _{CB} =30Vdc,I _E =0)			0.1	uAdc
I _{EBO}	Emitter Cutoff Current (V _{EB} =5.0Vdc, I _C =0)			0.1	uAdc

ON CHARACTERISTICS

h _{FE-2}	DC Current gain ⁽¹⁾	100 320			
	$(I_C=500 \text{mAdc}, V_{CE}=2 \text{Vdc})$				
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _C =1.5mAdc, I _B =30mAdc)			2.0	Vdc
V_{BE}	Base- Emitter Voltage (I _C =500mAdc, V _{CE} =2Vdc)			1.0	Vdc
f⊤	Transistor Frequency (I _C =500mAdc, V _{CE} =2Vdc)		120		MHz
C _{ob}	Collector Output Capacitance (V _{CB} =10Vdc, I _E =0, f=1.0MHz)		13		pF

(1) h_{FE}Classification O: 100~200, Y: 160~320

NPN Plastic-Encapsulate Transistor



	DIMENSIONS						
	N	MM INCHES					
DIM	MIN	MAX	MIN	MAX	NOTE		
Α	3.700	4.100	.146	.161			
В	4.000		.157	-			
С	0.000	0.300	0.000	0.012			
D	0.350	0.450	.014	.018			
Е	1.280	1.580	.050	.062			
F	4.700	5.100	.185	.201			
G	7.800	8.200	.307	.323			
Н	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		
М	2.440	2.640	.096	.104	Straight Lead		
IVI	4.400	5.600	.173	.220	Bent Lead		

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



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Ordering Information:

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

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