

JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

TO-92 Plastic-Encapsulate Transistors

2N3906 TRANSISTOR (PNP)

FEATURES

Power dissipation

P_{CM} : 0.625 W (Tamb=25)

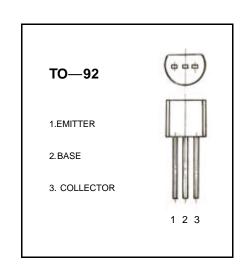
Collector current

 I_{CM} : -0.2 A

Collector-base voltage

Operating and storage junction temperature range

 T_J , T_{stg} : -55 to +150

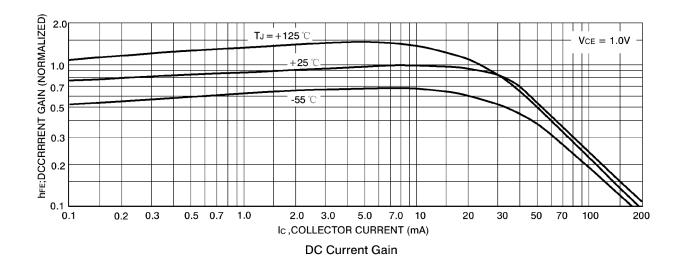


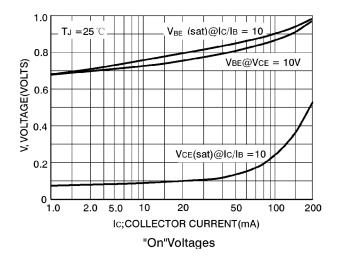
ELECTRICAL CHARACTERISTICS (Tamb=25 unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
	G y 3 6.					
Collector-base breakdown voltage	V(BR) _{CBO}	Ic= -100 μ A , I _E =0	-40			V
Collector-emitter breakdown voltage	V(BR) _{CEO}	I _C = -1 mA , I _B =0	-40			V
Emitter-base breakdown voltage	V(BR) _{EBO}	I _E = -100 μ A , I _C =0	-5			V
Collector cut-off current	Ісво	V _{CB} = -40 V , I _E =0			-0.1	μА
Collector cut-off current	I _{CEO}	V _{CE} = -40 V , I _B =0			-0.1	μА
Emitter cut-off current	I _{EBO}	V _{EB} = -5 V , I _C =0			-0.1	μА
DC current gain	h _{FE(1)}	V _{CE} =-1 V, I _C = -10mA	100		400	
	h _{FE(2)}	V _{CE} =-1 V, I _C = -50mA	60			
Collector-emitter saturation voltage	V _{CE(sat)}	I _C = -50 mA, I _B = -5 mA			0.3	V
Base-emitter saturation voltage	V _{BE(sat)}	I _C = -50 mA, I _B = -5 mA			-0.95	V
Transition frequency	f _T	V_{CE} =-20 V, I_{C} = -10mA f = 100MHz	250			MHz

CLASSIFICATION OF hfe (1)

Rank	0	Υ	G
Range	100-200	200-300	300-400





TO-92 PACKAGE OUTLINE DIMENSIONS





Symbol	Dimensions I	n Millimeters	Dimensions In Inches		
	Min	Max	Min	Max	
Α	3.300	3.700	0.130	0.146	
A1	1.100	1.400	0.043	0.055	
b	0.380	0.550	0.015	0.022	
С	0.360	0.510	0.014	0.020	
D	4.400	4.700	0.173	0.185	
D1	3.430		0.135		
E	4.300	4.700	0.169	0.185	
е	1.270TYP		0.050TYP		
e1	2.440	2.640	0.096	0.104	
L	14.100	14.500	0.555	0.571	
Ö		1.600		0.063	
$\overline{}$	0.000	0.380	0.000	0.015	