东莞市华远电子有限公司
DONG GUAN SHI HUA YUAN ELECTRON CO.,LTD.
TEL：86-769-5335378 86-769-5305266 FEX：86-769-5316189

TO-92 Plastic-Encapsulate Transistors

2SA673A TRANSISTOR（PNP）

TO—92

1.EMITTER
2. COLLECTOR
3. BASE

1 2 3

FEATURE

Power dissipation

P_{CM} : 0.4 W（Tamb=25℃）

Collector current

$I_{CM:}$ -0.5 A

Collector-base voltage

$V_{(BR)CBO}$: -50 V

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
Collector-base breakdown voltage	$V(BR)_{CBO}$	I_C= -10μA， I_E=0	-50			V
Collector-emitter breakdown voltage	$V(BR)_{CEO}$	I_C=-1 mA， I_B=0	-50			V
Emitter-base breakdown voltage	$V(BR)_{EBO}$	I_E=-10μA， I_C=0	-4			V
Collector cut-off current	I_{CBO}	V_{CB}= -20 V， I_E=0			-0.5	μA
DC current gain	$h_{FE\ (1)}$ *	V_{CE}=-3V， I_C= -10mA	60		320	
	$h_{FE\ (2)}$	V_{CE}=-3 V, I_C=-500mA	10			
Collector-emitter saturation voltage	V_{CEsat} *	I_C= -150mA, I_B=-15mA			-0.6	V
Base-emitter voltage	V_{BE}	V_{CE}=-3 V, I_C=-10mA			-0.75	V

*Measured using pulse

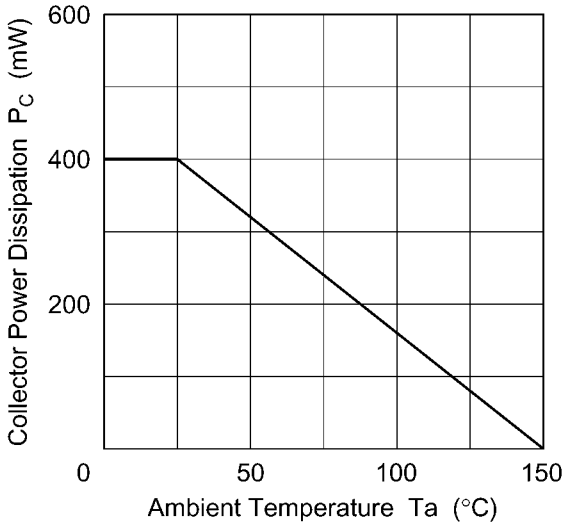
CLASSIFICATION OF $h_{FE(1)}$

Rank	B	C	D
Range	60-120	100-200	160-320

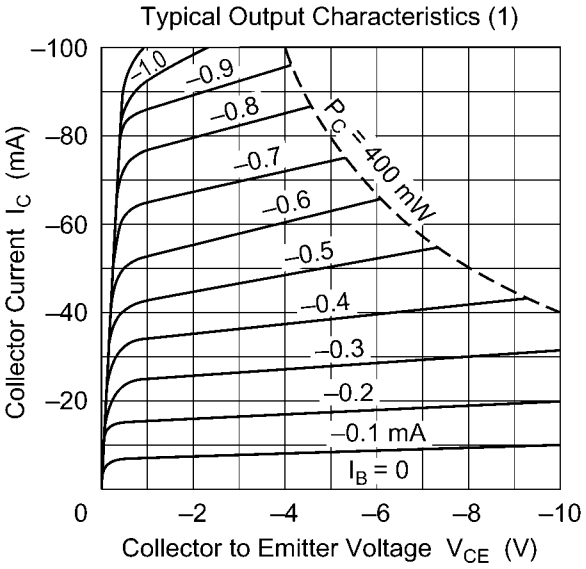
Typical characteristics

2SA673A

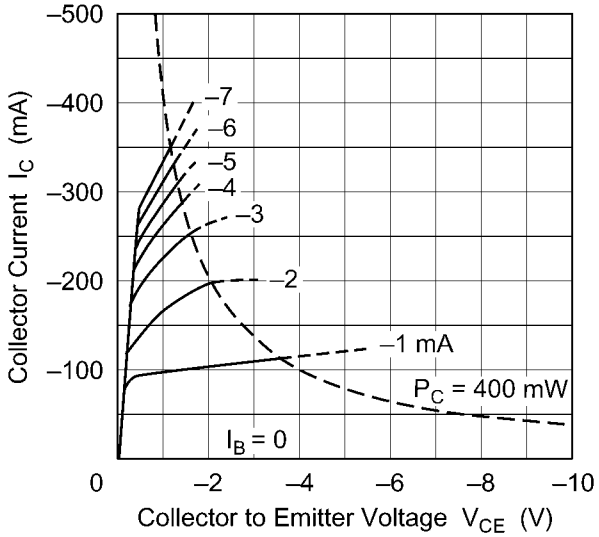
Maximum Collector Dissipation Curve



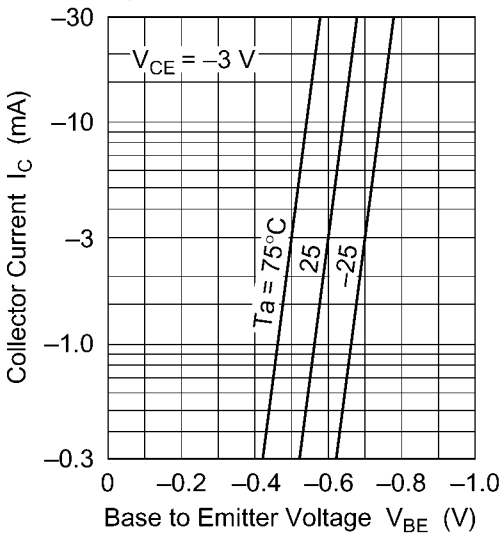
Typical Output Characteristics (1)



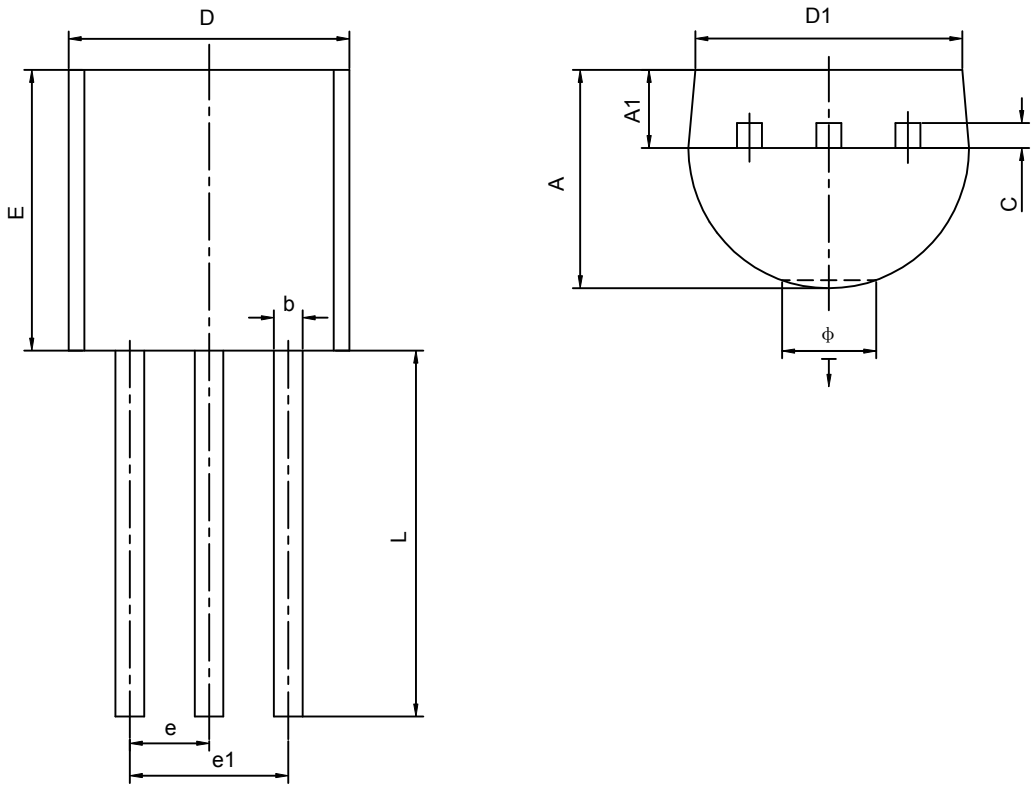
Typical Output Characteristics (2)



Typical Transfer Characteristics



TO-92 PACKAGE OUTLINE DIMENSIONS



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	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
c	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
e	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
⊤	0.000	0.380	0.000	0.015