

# MICRO ELECTRONICS

**2SA928**  
PNP  
SILICON  
TRANSISTOR

## DESCRIPTION

2SA928 is PNP silicon planar transistor redesigned for audio power amplifier.

TO-92B



ECB

## ABSOLUTE MAXIMUM RATINGS

Collector-Base Voltage	VCBO	30V
Collector-Emitter Voltage	VCEO	30V
Emitter-Base Voltage	VEBO	5V
Collector Current	IC	2A
Continuous Power Dissipation	Pd	1W
Operating & Storage Junction Temperature	Tj, Tstg	-55 to +150°C

## ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	CONDITIONS
Collector-Base Breakdown Voltage	BV <sub>CB0</sub>	30				IC=100μA IE=0
Collector-Emitter Breakdown Voltage	BV <sub>CE0</sub>	30			V	IC=10mA IB=0
Emitter-Base Breakdown Voltage	BV <sub>EB0</sub>	5			V	IE=1mA IC=0
Collector Cutoff Current	IC <sub>BO</sub>			100	nA	VCB=30V IE=0
Emitter Cutoff Current	IE <sub>BO</sub>			100	nA	VEB=5V IC=0
D.C. Current Gain	HFE	100		320		IC=500mA VCE=2V
			100	200		IC=500mA VCE=2V
			160	320		IC=500mA VCE=2V
Base-Emitter Voltage	VBE		1.0		V	IC=500mA VCE=2V
				2.0		V
Collector-Emitter Saturation Voltage	VCE(sat)				V	IC=1.5A IB=0.03A
Output Capacitance	Cob		48		pF	VCB=10V f=1MHz
Current Gain Bandwidth Product	fT		120		MHz	IC=500mA VCE=2V

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)