



Micro Commercial Components

Micro Commercial Components  
 20736 Marilla Street Chatsworth  
 CA 91311  
 Phone: (818) 701-4933  
 Fax: (818) 701-4939

**2SA1585S**  
**2SA1585S-Q**  
**2SA1585S-R**

## Features

- Power dissipation:  $P_D = 0.4W(T_{amb}=25^\circ C)$
- Collector current:  $I_{CM} = -2A$
- Collector-base voltage:  $V_{(BR)CBO} = -20V$
- Operating and storage junction temperature range  
 $T_J, T_{stg}: -55^\circ C$  to  $+150^\circ C$

## Electrical Characteristics @ 25°C Unless Otherwise Specified

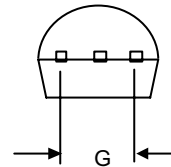
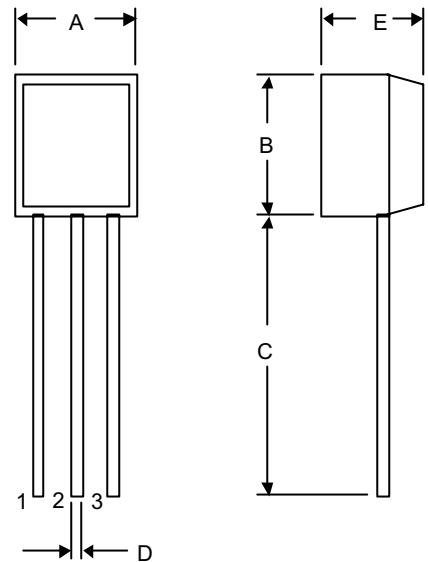
Symbol	Parameter	Min	Typ	Max	Unit
$V_{CEO}$	Collector-Emitter Voltage ( $I_C = -50 \mu A, I_E = 0$ )	-20	---	---	V
$V_{CBO}$	Collector-Base Voltage ( $I_C = -1 \mu A, I_B = 0$ )	-20	---	---	V
$V_{EBO}$	Emitter-Base Voltage ( $I_E = -50 \mu A, I_C = 0$ )	-6.0	---	---	V
$I_{CBO}$	Collector cut-off Current ( $V_{CB} = -20V, I_E = 0$ )	---	---	-0.1	$\mu A$
$I_{EBO}$	Emitter cut-off Current ( $V_{EB} = -5V, I_C = 0$ )	---	---	-0.1	$\mu A$
$h_{FE}$	DC current gain ( $V_{CE} = -2V, I_C = -0.1A$ )	120	---	390	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ( $I_C = -2A, I_B = -0.1A$ )	---	---	-0.82	V
$f_T$	Transition Frequency ( $V_{CE} = 2.0V_{dc}, I_C = 0.5A_{dc}$ )	200	---	---	MHz

## CLASSIFICATION OF $h_{FE}$

Rank	Q	R
Range	120-170	180-390
Marking	1815Q	1815R

**PNP**  
**Plastic-Encapsulate**  
**Transistors**

TO-92S



1. EMITTER  
 2. COLLECTOR  
 3. BASE

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.16	---	4.00	---	
B	.12	---	3.00	---	
C	.59	---	15.00	---	
D	.02	---	0.45	---	
E	.08	---	2.00	---	
G	.20	---	5.00	---	

[www.mccsemi.com](http://www.mccsemi.com)