



Micro Commercial Components

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**2SA1015-O
 2SA1015-Y
 2SA1015-GR**

**PNP Silicon
 Plastic-Encapsulate
 Transistor**

Features

- Capable of 0.4Watts of Power Dissipation.
- Collector-current 0.15A
- Collector-base Voltage 50V
- Operating and storage junction temperature range: -55°C to +150°C
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0
- Marking:A1015

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
OFF CHARACTERISTICS				
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ($I_C=0.1mA_{dc}$, $I_E=0$)	50	---	Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage ($I_C=100\mu A_{dc}$, $I_E=0$)	50	---	Vdc
I_{CBO}	Collector Cutoff Current ($V_{CB}=50V_{dc}$, $I_E=0$)	---	0.1	μA_{dc}
I_{EBO}	Emitter Cutoff Current ($V_{EB}=5.0V_{dc}$, $I_C=0$)	---	0.1	μA_{dc}

ON CHARACTERISTICS

h_{FE}	DC Current Gain ($I_C=2.0mA_{dc}$, $V_{CE}=6.0V_{dc}$)	70	400	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C=100mA_{dc}$, $I_E=10mA_{dc}$)	---	0.3	Vdc
$V_{BE(sat)}$	Base-Emitter Saturation Voltage ($I_C=100mA_{dc}$, $I_E=10mA_{dc}$)	---	1.1	Vdc
V_{BE}	Base-Emitter Voltage ($I_E=310mA_{dc}$)	---	1.45	Vdc

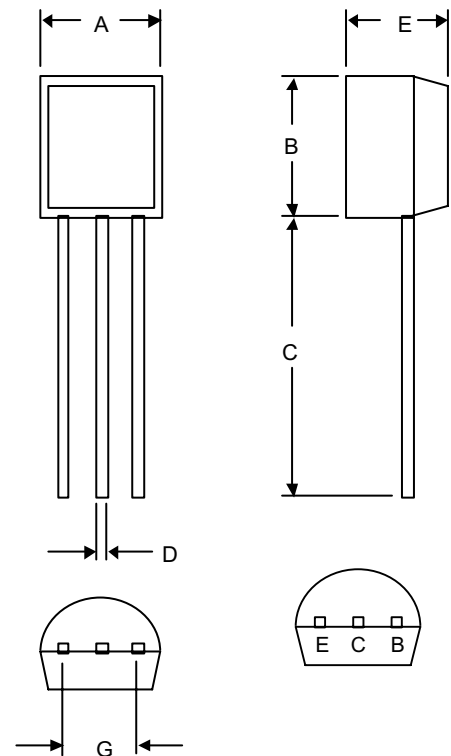
SMALL-SIGNAL CHARACTERISTICS

f_T	Transistor Frequency ($I_C=1.0mA_{dc}$, $V_{CE}=10V_{dc}$, $f=30MHz$)	80	---	MHz
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CLASSIFICATION OF h_{FE} (1)

Rank	O	Y	GR
Range	70-140	120-240	200-400

TO-92



DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.170	.190	4.33	4.83	
B	.170	.190	4.30	4.83	
C	.550	.590	13.97	14.97	
D	.010	.020	0.36	0.56	
E	.130	.160	3.30	3.96	
G	.010	.104	2.44	2.64	



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