



Micro Commercial Components



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

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 +125°C
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking:A1015
- Lead Free Finish/Rohs Compliant ("P" Suffix designates Compliant. See ordering information)

**PNP Silicon
Plastic-Encapsulate
Transistor**

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
OFF CHARACTERISTICS				
$V_{(BR)CEO}$	Collector-Emmitter 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}	Emmitter 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-Emmitter Saturation Voltage ($I_C=100mA_{dc}$, $I_E=10mA_{dc}$)	---	0.3	Vdc
$V_{BE(sat)}$	Base-Emmitter Saturation Voltage ($I_C=100mA_{dc}$, $I_E=10mA_{dc}$)	---	1.1	Vdc

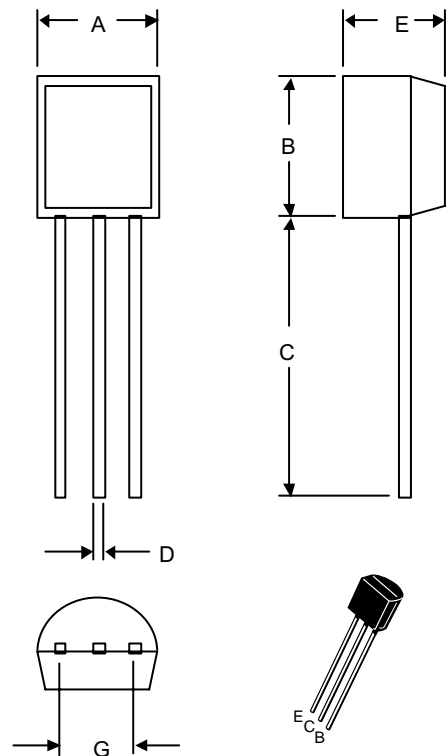
SMALL-SIGNAL CHARACTERISTICS

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

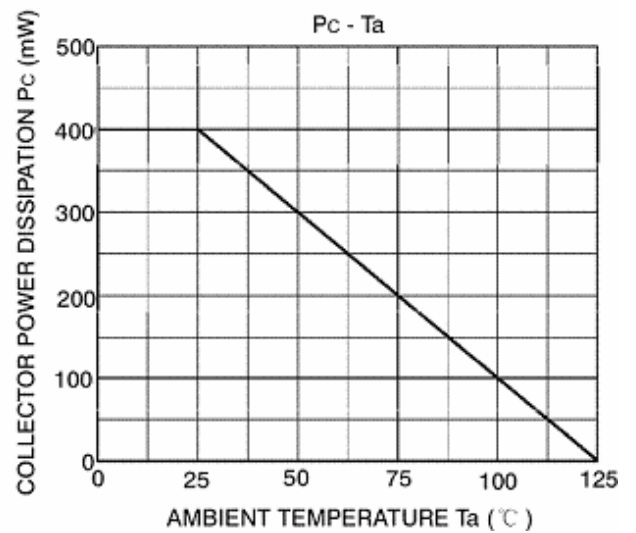
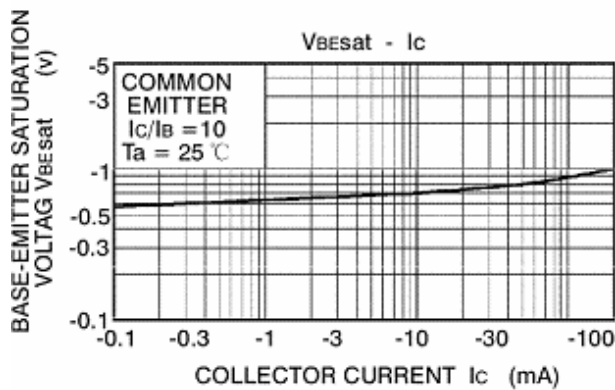
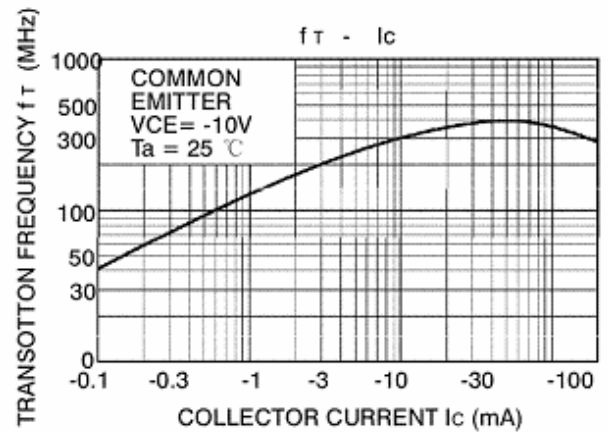
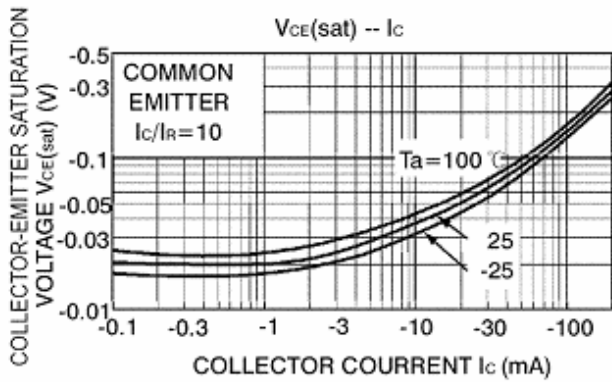
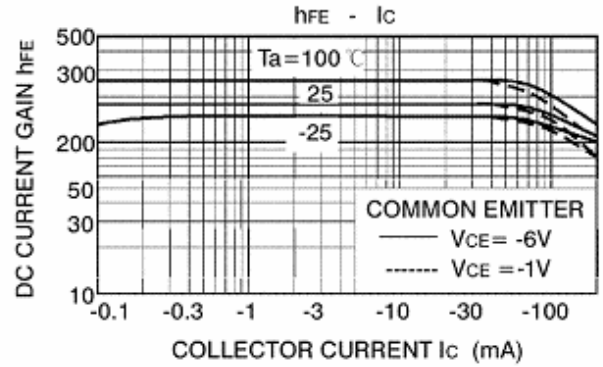
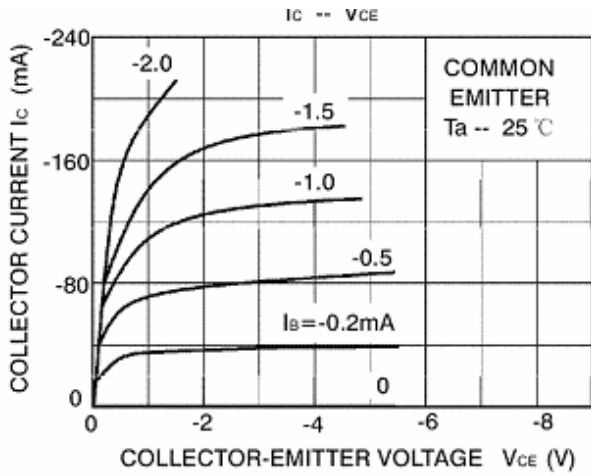


DIMENSIONS

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	.096	.104	2.44	2.64	

2SA1015

Typical Characteristics





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Ordering Information :

Device	Packing
Part Number-AP	Ammo Packing: 2Kpcs/Ammo Box
Part Number-BP	Bulk: 100Kpcs/Carton

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