

Micro Commercial Components



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

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
- Moisure Sensitivity Level 1
- Marking:A1015
- Lead Free Finish/Rohs Compliant ("P"Suffix designates Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"
 Flectrical Characteristics @ 25^oC IInless Otherwise Specific

Electričal Characteristics @ 25°C Unless Otherwise Specified Symbol Parameter Min Max Units **OFF CHARACTERISTICS** Collector-Emitter Breakdown Voltage -50 Vdc V_{(BR)CEO} ____ (I_c=-0.1mAdc, I_B=0) $V_{(BR)CBO}$ Collector-Base Breakdown Voltage -50 Vdc (l_=-100uAdc, l==0) -50 Emitter-Base Breakdown Voltage Vdc V_{(BR)EBO} (L=-100uAdc, L=0) Collector Cutoff Current -0.1 uAdc сво -9 (V_{CB}=-50Vdc, I_E=0) Emitter Cutoff Current -0.1 uAdc EBO --- $(V_{EB} = -5.0 V dc, I_{C} = 0)$ **ON CHARACTERISTICS** DC Current Gain 400 \mathbf{h}_{FE} 70 (L=-2.0mAdc, V_{CE}=-6.0Vdc) V_{CE(sat)} Collector-Emitter Saturation Voltage -0.3 Vdc (L=-100mAdc, L=-10mAdc)

SMALL-SIGNAL CHARACTERISTICS

Base-Emitter Saturation Voltage

(L=-100mAdc, L=-10mAdc)

f _T	Transistor Frequency (I _c =-1.0mAdc, V _{cE} =-10Vdc, f=30MHz)	80		MHz
C _{OB}	Collector Output Capacitance (V _{CB} =-10Vdc, I _E =0,f=1MHz)		7.0	pF
NF	Noise Figure $(V_{CE}=-6Vdc, IC=-0.1mAdc, f=1KHz, Rg=10K)$		6.0	dB

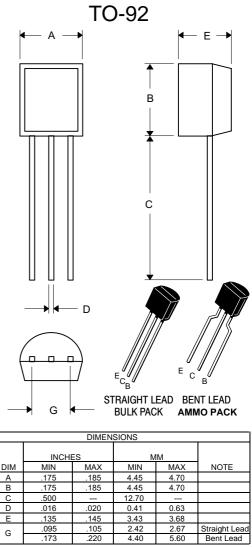
CLASSIFICATION OF HEI

V_{BE(sat)}

Rank	0	Y	GR	
Range	70-140	120-240	200-400	

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

PNP Silicon Plastic-Encapsulate Transistor



* For ammo packing detailed specification, click here to visit our website of product packaging for details.

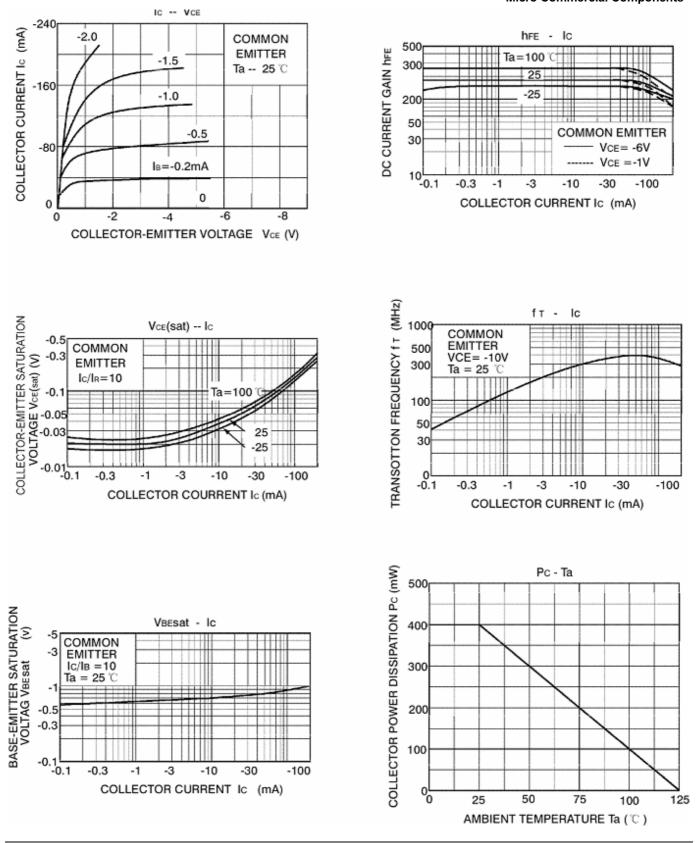
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-1.1

Vdc

2SA1015 Typical Characteristics





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Ordering Information :

Device	Packing	
Part Number-AP	Ammo Packing: 20Kpcs/Carton	
Part Number-BP	Bulk: 100Kpcs/Carton	

Note : Adding "-HF" suffix for halogen free, eg. Part Number-BP-HF

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