



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 (818) 701-4939

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
- 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" **Electrical Characteristics @ 25°C Unless Otherwise Specified**

Symbol	Parameter	Min	Max	Units	
OFF CHARAC	OFF CHARACTERISTICS				
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage (b=-0.1mAdc, lb=0)	-50		Vdc	
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage (b=-100uAdc, l==0)	-50		Vdc	
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (_E =-100uAdc, _{Ic} =0)	-5		Vdc	
Сво	Collector Cutoff Current (V _{CB} =-50Vdc, I _E =0)		-0.1	uAdc	
l _{EBO}	Emitter Cutoff Current (V _{EB} =-5.0Vdc, I _C =0)		-0.1	uAdc	

ON CHARACTERISTICS

h _{FE}	DC Current Gain	70	400	
	(b=-2.0mAdc, V _{CE} =-6.0Vdc)			
V _{CE(sat)}	Collector-Emitter Saturation Voltage		-0.3	Vdc
,	(b=-100mAdc, b=-10mAdc)			
$V_{BE(sat)}$	Base-Emitter Saturation Voltage		-1.1	Vdc
(==-/	(k=-100mAdc, k=-10mAdc)			

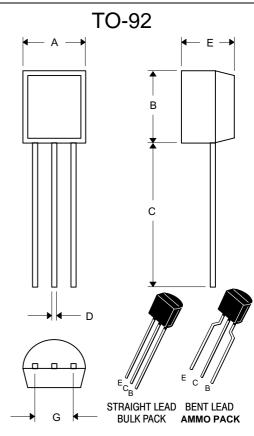
SMALL-SIGNAL CHARACTERISTICS

f _T	Transistor Frequency	00		NAL I—
	$(I_C=-1.0 \text{mAdc}, V_{CE}=-10 \text{Vdc}, f=30 \text{MHz})$	80		MHz
C _{OB}	Collector Output Capacitance		7.0	pF
	(V _{CB} =-10Vdc, I _E =0,f=1MHz)			
NF	Noise Figure		6.0	dB
	(V _{CE} =-6Vdc, Ic=-0.1mAdc,f=1KHz,Rg=10K)			

CLASSIFICATION OF HELD

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

PNP Silicon Plastic-Encapsulate Transistor



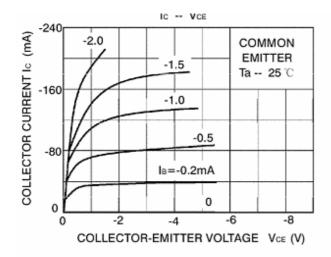
DIMENSIONS					
	INCHI	INCHES MM			
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.175	.185	4.45	4.70	
В	.175	.185	4.45	4.70	
С	.500		12.70		
D	.016	.020	0.41	0.63	
Е	.135	.145	3.43	3.68	
G	.095	.105	2.42	2.67	Straight Lead
5	.173	.220	4.40	5.60	Bent Lead

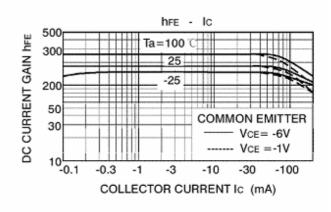
For ammo packing detailed specification, click here to visit our website of product packaging for details.

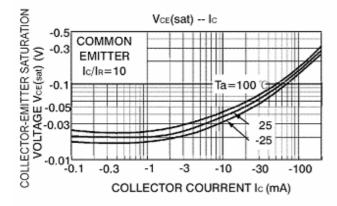
2SA1015 Typical Characteristics

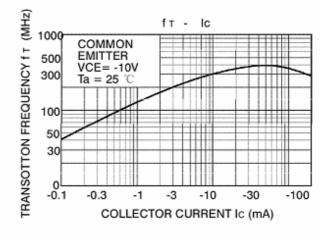


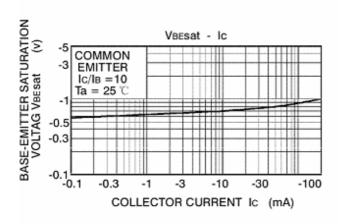
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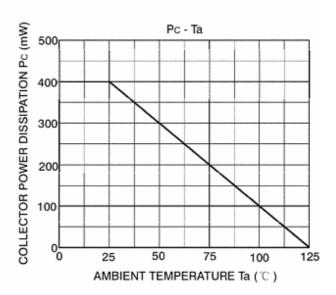














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Ordering Information:

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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