

Micro Commercial Components

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

Features

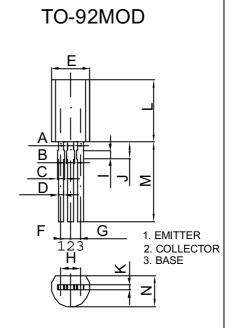
- Lead Free Finish/Rohs Compliant ("P"Suffix designates Compliant. See ordering information) Capable of 0.9Watts of Power Dissipation.
- •
- Collector-current -1.0A
- Collector-base Voltage -160V
- Operating and storage junction temperature range: -55 $^\circ\!\mathrm{C}$ to +150 $^\circ\!\mathrm{C}$
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL rating 1

Flectrical Characteristics @ 25°C Unless Atherwise Snecified

	ii viiai au	lerislics @ 23°C UI	1099 ANICI M	ige gher	,IIIGU
Symbol		Parameter	Min	Max	Units
OFF CHARA	CTERISTICS	5			
V _{(BR)CEO}		Emitter Breakdown Voltac mAdc, I _B =0)	je -160		Vdc
$V_{(BR)CBO}$		Base Breakdown Voltage JuAdc, I _E =0)	-160		Vdc
$V_{(BR)EBO}$		ase Breakdown Voltage nAdc, I _c =0)	-6.0		Vdc
I _{CBO}		Cutoff Current 50Vdc, I _E =0)		-1.0	uAdc
I _{CEO}		Cutoff Current 20Vdc, I _E =0)		-10	uAdc
I _{EBO}		utoff Current 0Vdc, I _c =0)		-1.0	uAdc
ON CHARAC	CTERISTICS				
$h_{\text{FE}(1)}$	DC Curre (I _c =-200	nt Gain ImAdc, V _{CE} =-5.0Vdc)	65	310	
h _{FE(2)}	DC Curre		40		
V _{CE(sat)}		Emitter Saturation Voltage mAdc, I_B =-50mAdc)	e	-1.5	Vdc
V_{BE}		itter Saturation Voltage mAdc, V _{CE} =-5.0Vdc)		-0.75	Vdc
SMALL-SIG	NAL CHARA	CTERISTICS			
f_T Transistor Frequency (I _c =-200mAdc, V _{CE} =-5.0Vdc, f=30MHz)		-15		MHz	
CLASSIFIC	ATION OF H	E(1)			
Rank		R	0	Y	
Range		60-120	120-200	200-300	

2SA1013-R 2SA1013-0 2SA1013-Y

PNP Epitaxial Silicon Transistor



	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
А		.030		.750	
В		.039		1.00	
С		.031		.80	
D		.024		0.60	
Е		.201		5.10	
F	.050		1.27		
G	.050		1.27		
Н	.100		2.54		
1	.039		1.00		
J		.087		2.20	
Κ		.024		.60	
L		.323		8.20	
М		.413		10.50	
Ν		.161		4.10	

www.mccsemi.com



Ordering Information

Device	Packing
(Part Number)-BP	Bulk;500pcs/Bag

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