

**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 (Note1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Capable of 1.25Watts of Power Dissipation.
- Collector-current 3.0A
- Collector-base Voltage 40V
- Operating and storage junction temperature range: -55°C to +150°C

## Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units				
OFF CHARACTERISTICS								
V <sub>(BR)CEO</sub>	Collector-Emitter Breakdown Voltage (է=10mAdc, ե=0)	30		Vdc				
V <sub>(BR)CBO</sub>	Collector-Base Breakdown Voltage (ᡶ=100uAdc, I <sub>E</sub> =0)	40		Vdc				
V <sub>(BR)EBO</sub>	Emitter-Base Breakdown Voltage (ᡶ=100uAdc, I <sub>c</sub> =0)	6.0		Adc				
сво	Collector Cutoff Current (V <sub>CB</sub> =40Vdc, I <sub>E</sub> =0)		1.0	uAdc				
I <sub>CEO</sub>	Collector Cutoff Current (V <sub>CE</sub> =30Vdc,		1.0	uAdc				
I <sub>EBO</sub>	Emitter Cutoff Current (V <sub>EB</sub> =6.0Vdc, <sub>L</sub> =0)		1.0	uAdc				
<b>ON CHARAC</b>	ON CHARACTERISTICS							
$h_{FE-1}$	DC Current Gain (L=1.0Adc, V <sub>CE</sub> =2.0Vdc)	60	400					
h <sub>FE-2</sub>	DC Current Gain (t <sub>c</sub> =100mAdc, V <sub>cc</sub> =2.0Vdc)	32						
V <sub>CE(sat)</sub>	Collector-Emitter Saturation Voltage (L=2.0Adc, I <sub>B</sub> =0.2Adc)		0.5	Vdc				
V <sub>BE(sat)</sub>	Base-Emitter Saturation Voltage (t <sub>c</sub> =2.0Adc, l <sub>B</sub> =0.2Adc)		2.0	Vdc				
fT	Transition Frequency (V <sub>CE</sub> =5.0Vdc, I <sub>C</sub> =0.1Adc, f=10MHz)	50		MHz				

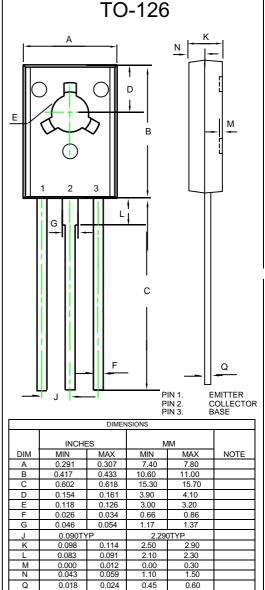
#### **CLASSIFICATION OF H**

Rank	R	0	Y	GR		
Range	60-120	100-200	160-320	200-400		

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7.

## 2SD882-R 2SD882-O 2SD882-Y 2SD882-GR

# NPN Silicon Plastic-Encapsulate Transistor



www.mccsemi.com



## **Ordering Information :**

Device	Packing
Part Number-BP	Bulk; 1Kpcs/Box

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