

Micro Commercial Components



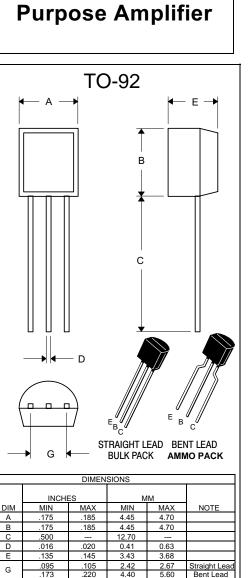
Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Capable of 600mWatts of Power Dissipation
- Through Hole Package
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking:Type number
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
OFF CHARA	CTERISTICS			
V _{(BR)CEO}	Collector-Emitter Breakdown (I _c =1.0mAdc, I _B =0)	Voltage* 40		Vdc
V _{(BR)CBO}	Collector-Base Breakdown V (I _C =0.1mAdc, I _E =0)	0		Vdc
V _{(BR)EBO}	Emitter-Base Breakdown Vol (I _E =0.1mAdc, I _C =0)	age 6.0		Vdc
I _{BL}	Base Cutoff Current (V _{CE} =35Vdc, V _{BE} =0.4Vdc)		0.1	μAdc
I _{CEX}	Collector Cutoff Current (V _{CE} =35Vdc, V _{BE} =0.4Vdc)		0.1	μAdc
ON CHARAG	TERISTICS			
h _{FE}	DC Current Gain* (I _c =0.1mAdc, V _{CE} =1.0Vdc) (I _c =1.0mAdc, V _{CE} =1.0Vdc) (I _c =10mAdc, V _{CE} =1.0Vdc) (I _c =150mAdc, V _{CE} =1.0Vdc) (I _c =500mAdc, V _{CE} =1.0Vdc)	20 40 80 100 40	300	
V _{CE(sat)}	Collector-Emitter Saturation \ (I _c =150mAdc, I _B =15mAdc) (I _c =500mAdc, I _B =50mAdc)	/oltage	0.4 0.75	Vdc
V _{BE(sat)}	Base-Emitter Saturation Voltage (I _c =150mAdc, I _B =15mAdc) 0.75 (I _c =500mAdc, I _B =50mAdc)		0.95 1.2	Vdc
SMALL-SIG	NAL CHARACTERISTICS			
f⊤	Current Gain-Bandwidth Proc (I _c =20mAdc, V _{CE} =10Vdc, f=			MHz
C _{cb}	Collector-Base Capacitance (V _{CB} =5.0Vdc, I _E =0, f=100kHz)		6.5	pF
C _{eb}	Emitter-Base Capacitance (V _{BE} =0.5Vdc, I _c =0, f=100kHz)		30.0	pF
<u>SWITCHIN</u>	G CHARACTERISTICS			
t _d	Delay Time (V _{CC} =30Vdc, V _{BE} =0.2Vdc		15 20	ns
tr		I _C =150mAdc, I _{B1} =15mAdc)		ns
t _s	.	$(V_{cc}=30Vdc, I_{c}=150mAdc)$		ns
t _f				ns
*Pulse Width	$1 \le 300 \mu s$, Duty Cycle $\le 2.0\%$			



2N4401

NPN General

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

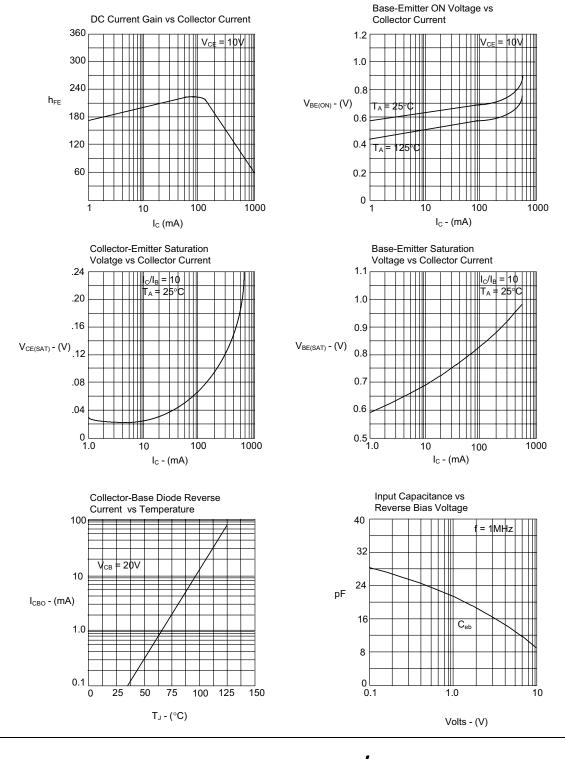
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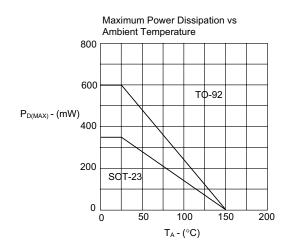
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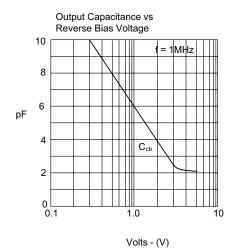
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Ordering Information :

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

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