

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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Features

- Halogen free available upon request by adding suffix "-HF"
- Lead Free Finish/Rohs Compliant ("P"Suffix designates Rohs Compliant. See ordering information)
- Capable of 1.0Watts of Power Dissipation.
- Collector-current 3.0A
- Collector-base Voltage 60V
- Operating and storage junction temperature range:-55°C to +150°C
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units	
OFF CHARAC	OFF CHARACTERISTICS				
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage (ξ =1.0mAdc, ξ =0)	60		Vdc	
V _{(BR)CBO}	Collector-Base Breakdown Voltage (≿=100µAdc, l _E =0)	60		Vdc	
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (I _E =100µAdc,I _C =0)	7		Vdc	
Ісво	Collector Cutoff Current (V _{CB} =60Vdc, I _E =0Adc)		10	μAdc	
I _{EBO}	Emitter Cutoff Current (V _{EB} =7.0Vdc, I _C =0Adc)		10	μAdc	

ON CHARACTERISTICS

h _{FE(1)}	DC Current Gain*			
	(I _C =600mAdc, V _{CE} =2.0Vdc)	100	400	
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage			
	(l _c =1500mAdc, l _B =150mAdc)		0.25	Vdc
V _{BE(sat)}	Base-Emitter Saturation Voltage (L=1500mAdc, L=1500mAdc)		1.2	Vdc

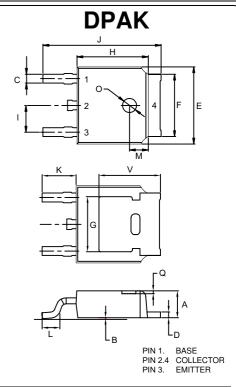
SMALL-SIGNAL CHARACTERISTICS

f⊤	Transistor Frequency (b=1500mAdc, V _{CE} =5Vdc)	120(Typ)	MHz
С _{ОВ}	Collector Output Capacitance (V _{CB} =10Vdc, I _E =0,f=1MHz)	30(typ)	pF

CLASSIFICATION OF HEED

Rank	M	L	K
Range	100-200	160-320	200-400
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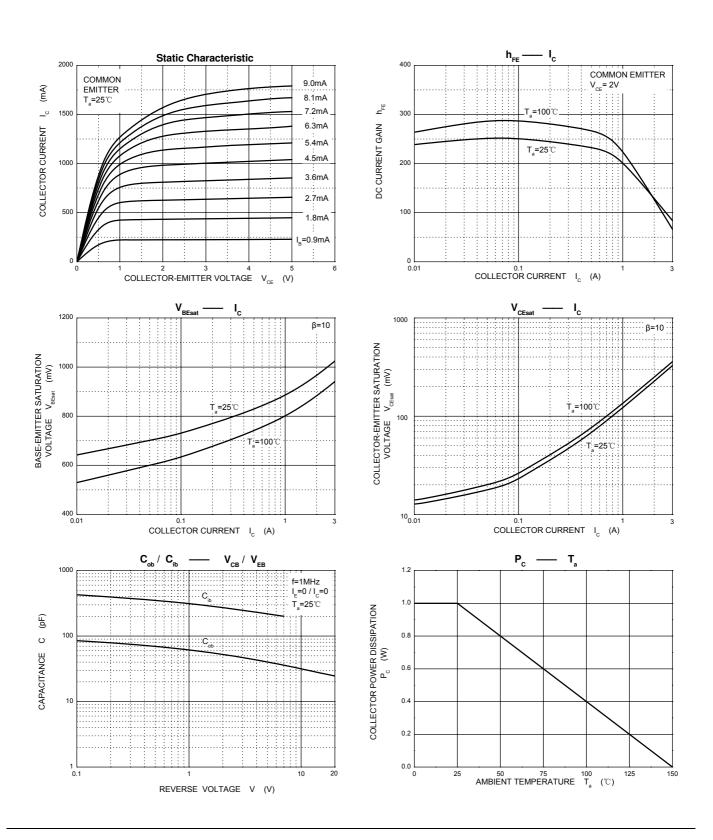
NPN Silicon Epitaxial Transistor



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	0.087	0.094	2.20	2.40	
В	0.000	0.005	0.00	0.13	
С	0.026	0.034	0.66	0.86	
D	0.018	0.023	0.46	0.58	
Е	0.256	0.264	6.50	6.70	
F	0.201	0.215	5.10	5.46	
G	0.190		4.83		
Н	0.236	0.244	6.00	6.20	
- 1	0.086	0.094	2.18	2.39	
J	0.386	0.409	9.80	10.40	
K	0.114		2.90		
L	0.055	0.067	1.40	1.70	
M	0.063		1.60		
0	0.043	0.051	1.10	1.30	
Q	0.000	0.012	0.00	0.30	
V	0.	211	5.35		



Typical Characteristics





Ordering Information:

Device	Packing
Part Number-TP	Tape&Reel: 2.5Kpcs/Reel

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

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