

Features

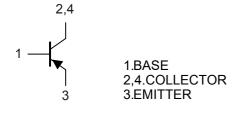
- · Low Collector Saturation Voltage
- · Execllent Current-to-Gain Characteristics
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- · Moisture Sensitivity Level 1
- · Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings @ 25°C Unless Otherwise Specified

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 125°C/W Junction to Ambient

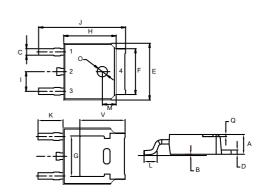
Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	-60	V
Collector-Emitter Voltage	V _{CEO}	-50	V
Emitter-Base Voltage	V _{EBO}	-5	V
Continuous Collector Current	I _C	-3	Α
Power Dissipation	P_{D}	1	W

Internal Structure



PNP Silicon Epitaxial Transistors





	DIMENSIONS					
DIM	INCHES		MM		NOTE	
DIIVI	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		TYP.	
Н	0.236	0.244	6.00	6.20		
I	0.086	0.094	2.18	2.39		
J	0.386	0.409	9.80	10.40		
K	0.114		2.90		TYP.	
L	0.055	0.067	1.40	1.70		
M	0.063		1.60		TYP.	
0	0.043	0.051	1.10	1.30		
Q	0.000	0.012	0.00	0.30		
V	0.211		5.35		TYP.	



Electrical Characteristics @ T_A =25°C Unless Otherwise Specified

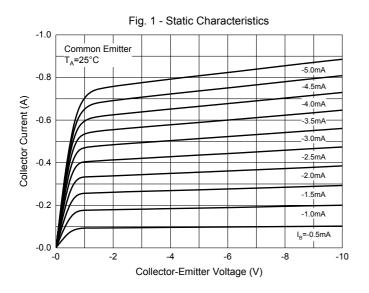
Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	-60			V	I _C =-50μA, I _E =0
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	-50			V	I _C =-1mA, I _B =0
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	-5			V	I _E =-50μA, I _C =0
Collector Cutoff Current	I _{CBO}			-1	μA	V _{CB} =-40V, I _E =0
Emitter Cutoff Current	I _{EBO}			-1	μA	V_{EB} =-4V, I_C =0
DC Current Gain	h _{FE}	82		390		V_{CE} =-3V, I_{C} =-0.5A
Collector-Emitter Saturation Voltage	V _{CE(sat)}			-1.0	V	I _C =-2A, I _B =-200mA
Transition Frequency	f _T		70		MHz	V _{CE} =-5V, I _C =-500mA, f=30MHz
Collector Output Capacitance	C _{ob}		50		pF	V _{CB} =-10V, I _E =0,f=1MHz

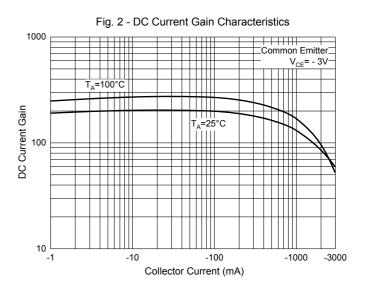
Classification of h_{FE}

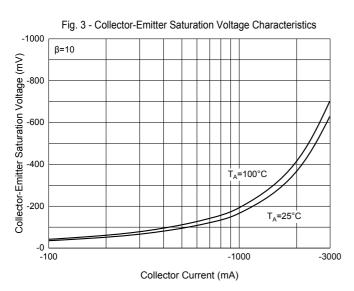
Rank	Р	Q	R
Range	82-180	120-270	180-390

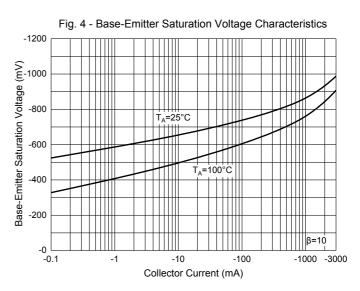


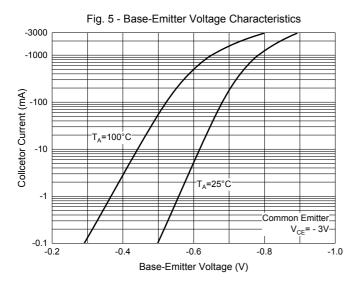
Curve Characteristics

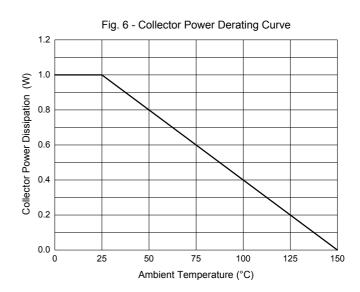














Ordering Information

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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