

Features

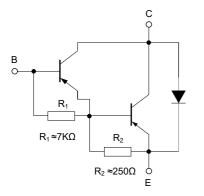
- High DC Current Gain
- Built-in a Damper Diode at E-C
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings @ 25°C Unless Otherwise Specified

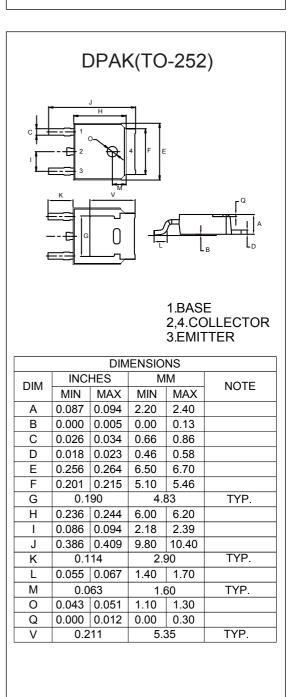
- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 83°C/W Junction to Ambient
- Thermal Resistance: 6.25°C/W Junction to Case

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	-100	V
Collector-Emitter Voltage	V _{CEO}	-100	V
Emitter-Base Voltage	V _{EBO}	-5	V
Continuous Collector Current	I _C	-8	А
Power Dissipation	P _D	1.5	W

Internal Schematic Diagram



Silicon PNP epitaxial planer Transistors





Electrical Characteristics @ T_A=25°C Unless Otherwise Specified

Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	V _{(BR)CBO}	-100			V	I _C =-1mA, I _E =0
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	-100			V	I _C =-30mA, I _B =0
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	-5			V	I _E =-10mA, I _C =0
Collector Cutoff Current	I _{CBO}			-10	μA	V _{CB} =-100V, I _E =0
Collector-Emitter Cutoff Current	I _{CEO}			-10	μA	V _{CE} =-50V, I _B =0
Emitter Cutoff Current	I _{EBO}			-2	mA	V _{EB} =-5V, I _C =0
DC Current Gain	h _{FE(1)}	1000		12000		V_{CE} =-4V, I _C =-4A
	h _{FE(2)}	100				V_{CE} =-4V, I _C =-8A
Collector-Emitter Saturation Voltage	V _{CE(sat)} -			-2.0	V	I _C =-4A, I _B =-16mA
				-4.0	V	I _C =-8A, I _B =-80mA
Base-Emitter Saturation Voltage	V _{BE(sat)}			-4.5	V	I _C =-8A, I _B =-80mA
Base-Emitter Voltage	V _{BE}			-2.8	V	V _{CE} =-4V, I _C =-4A
Output Capacitance	C _{ob}			300	pF	V _{CB} =-10V, I _E =0, f=0.1MHz



Curve Characteristics

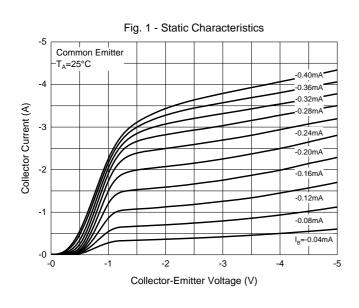
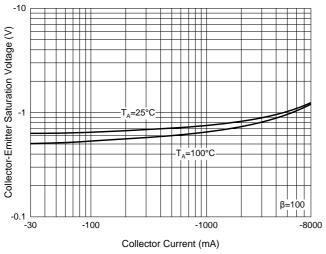
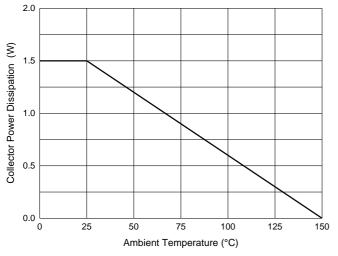


Fig. 3 - Collector-Emitter Saturation Voltage Characteristics







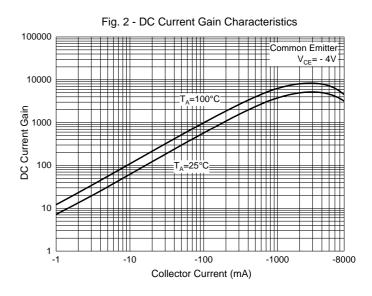
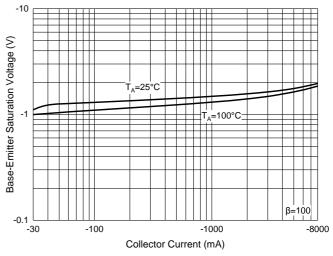


Fig. 4 - Base-Emitter Saturation Voltage Characteristics





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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