

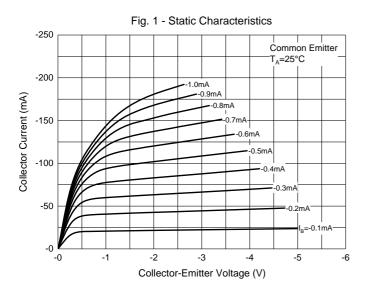
Electrical Characteristics @ T_A =25°C Unless Otherwise Specified

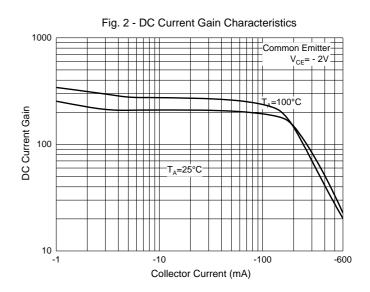
Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	V _{(BR)CBO}	-40			V	I _C =-100μA, I _E =0
Collector-Emitter Breakdown Voltage*	$V_{(BR)CEO}$	-40			V	I _C =-1mA, I _B =0
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	-5			V	I _E =-100μA, I _C =0
Base Cutoff Current	I _{BL}			-0.1	μA	V _{CE} =-30V, V _{BE} =-3V
Collector Cutoff Current	I _{CEX}			-0.1	μA	V _{CE} =-30V, V _{BE} =-3V
DC Current Gain*	h _{FE(1)}	30				V _{CE} =-1V, I _C =-0.1mA
	h _{FE(2)}	60				V _{CE} =-1V, I _C =-1mA
	h _{FE(3)}	100				V_{CE} =-1V, I_{C} =-10mA
	h _{FE(4)}	100		300		V _{CE} =-2V, I _C =-150mA
	h _{FE(5)}	20				V _{CE} =-2V, I _C =-500mA
Collector-Emitter Saturation Voltage	V _{CE(sat)}			-0.4	V	I _C =-150mA, I _B =-15mA
				-0.75	V	I _C =-500mA, I _B =-50mA
Daga Emitter Caturation Voltage	V _{BE(sat)}		-0.75	-0.95	V	I _C =-150mA, I _B =-15mA
Base-Emitter Saturation Voltage				-1.3	V	I _C =-500mA, I _B =-50mA
Transition Frequency	f _T	200			MHz	V _{CE} =-10V, I _C =-20mA, f=100MHz
Delay Time	t _d			15	ns	V _{CC} =-30V, V _{BE} =-0.5V, I _C =-150mA,
Rise Time	t _r			20	ns	I _{B1} =-15mA
Storage Time	t _s			225	ns	V _{CC} =-30V, I _C =-150mA, I _{B1} =I _{B2} =-15mA
Fall Time	t _f			30	ns	
Collector-Base Capacitance	C _{cb}			8.5	pF	V _{CB} =-10V, I _E =0,f=1MHz
Emitter-Base Capacitance	C _{eb}			30	pF	V _{EB} =-0.5V, I _C =0, f=1MHz

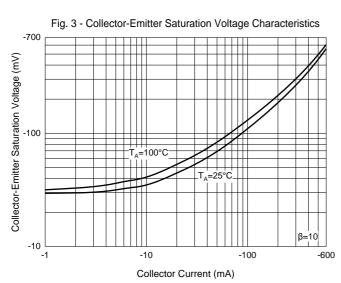
^{*.}Pulse test: Pulse Width≤300µs,Duty Cycle≤2.0%.

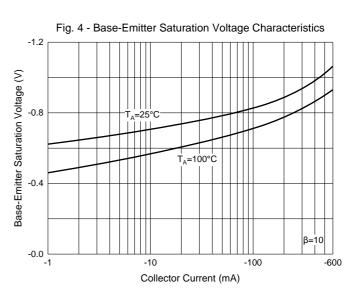


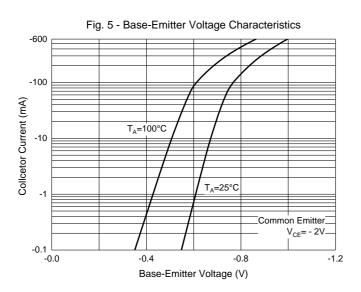
Curve Characteristics

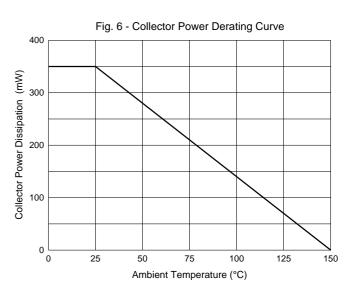














Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note: Adding "-HF" Suffix for Halogen Free, eg. Part Number-TP-HF

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