

Features

- Halogen Free. "Green" Device (Note 1)
- · 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)

Dual PNP Small Signal Transistors

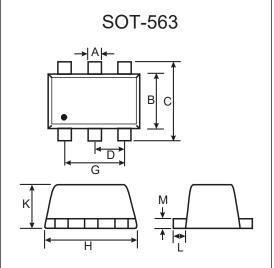
Maximum Ratings @ 25°C Unless Otherwise Specified

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V_{CBO}	-60	V
Collector-Emitter Voltage	V_{CEO}	-60	V
Emitter-Base Voltage	V_{EBO}	-5	V
Collector Current	I _C	-600	mA
Power Dissipation	P_D	150	mW

Thermal characteristics

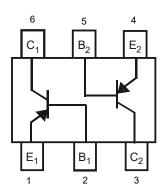
Parameter	Symbol	Rating	Unit
Operating Junction Temperature Range	T _{OPR}	-55~+150	°C
Storage Temperature Range	T _{STR}	-55~+150	°C
Thermal Resistance from Junction to Ambient	Rth _(j-a)	833	°C/W

Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

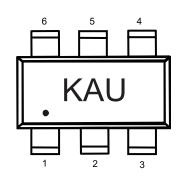


DIMENSIONS						
DIM INCHES		M	M	NOTE		
DIIVI	MIN	MAX	MIN MAX		NOTE	
Α	0.006	0.011	0.15	0.30		
В	0.043	0.051	1.10	1.30		
С	0.059	0.067	1.50	1.70		
D	0.020		0.50		TYP.	
G	0.035	0.043	0.90	1.10		
Н	0.059	0.067	1.50	1.70		
K	0.022	0.026	0.55	0.65		
L	0.004	0.011	0.10	0.30		
М	0.004	0.007	0.10	0.18		

Internal Structure

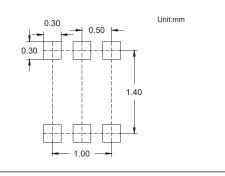


Device Marking



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Suggested Solder Pad Layout





Electrical Characteristics @ 25°C Unless Otherwise Specified

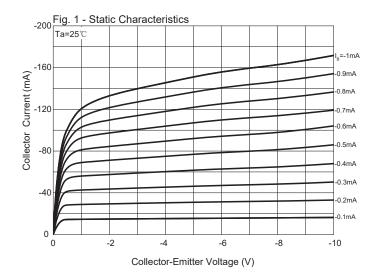
Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	V _{(BR)CBO}	-60			V	I_{C} =-10 μ A, I_{E} =0
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	-60			V	I _C =-10mA, I _B =0
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	-5			V	I _E =-10μA, I _C =0
Collector-Base Cutoff Current	I _{CBO}			-10	nA	V_{CB} =-50V, I_E =0
Collecto Cutoff Current	I _{CEX}			-50	nA	V_{CE} =-30V, V_{BE} =-0.5V
Emitter-Base Cutoff Current	I _{EBO}			-10	nA	V_{EB} =-5V, I_C =0
DC Current Gain ^(Note2)	h _{FE(1)}	75				V _{CE} =-10V, I _C =-0.1mA
	h _{FE(2)}	100				V _{CE} =-10V, I _C =-1mA
	h _{FE(3)}	100				V _{CE} =-10V, I _C =-10mA
	h _{FE(4)}	100		300		V _{CE} =-10V, I _C =-150mA
	h _{FE(5)}	50				V _{CE} =-10V, I _C =-500mA
Collector-Emitter Saturation Voltage	V _{CE(sat)}			-0.4	V	I _C =-150mA, I _B =-15mA
				-1.6	V	I _C =-500mA, I _B =-50mA
Base-Emitter Saturation Voltage	V _{BE(sat)}			-1.3	V	I _C =-150mA, I _B =-15mA
				-2.6	V	I _C =-500mA, I _B =-50mA
Transition Frequency	f _T	200			MHz	V _{CE} =-20V, I _C =-50mA, f=100MHz
Output Capacitance	C _{ob}			8	pF	V_{CB} =-10V, I_{E} =0, f=1MHz

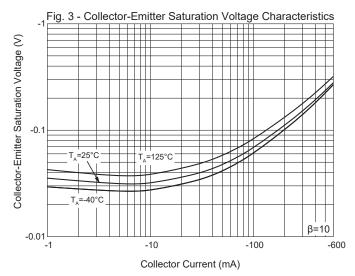
Note: 2.Pulse Width ≤ 300µs, Duty Cycle≤2.0%

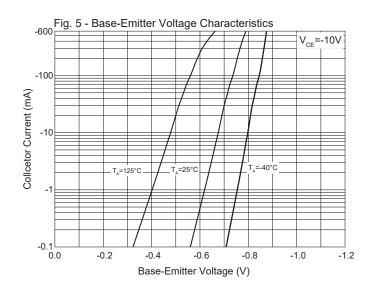
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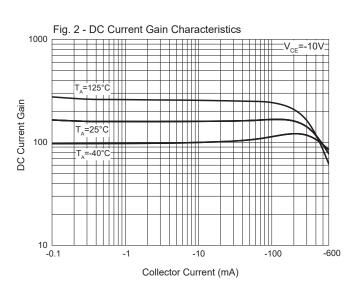


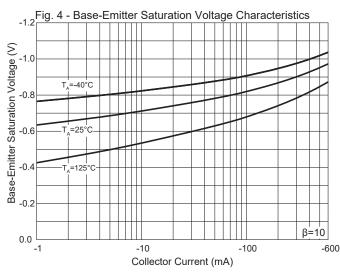
Curve Characteristics

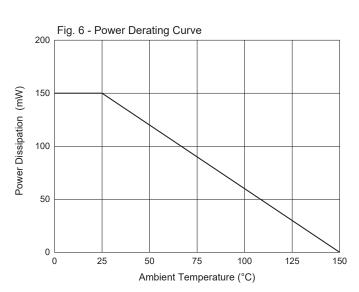














Ordering Information

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

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