

Features

- Two 2SA1037AK Chips in a Package
- Mounting Possible with SOT-363 Automatic Mounting Machines
- Transistor Elements are Independent, Eliminating Interference
- 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)

Maximum Ratings @ 25°C Unless Otherwise Specified

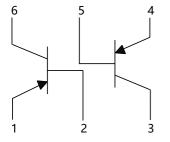
- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 833°C/W Junction to Ambient

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	-60	V
Collector-Emitter Voltage	V _{CEO}	-50	V
Emitter-Base Voltage	V _{EBO}	-6	V
Continuous Collector Current	I _C	-150	mA
Power Dissipation	P _D	150	mW

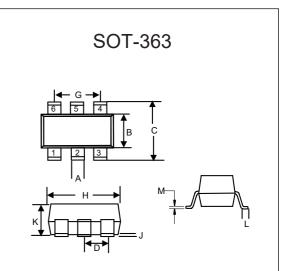
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

Marking: T1

Internal Structure

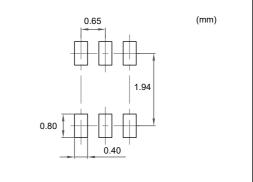






	DIMENSIONS				
DIM INCHE		HES	ES MM		NOTE
Divi	MIN	MAX	MIN	MAX	NOTE
Α	0.006	0.014	0.15	0.35	
В	0.045	0.053	1.15	1.35	
С	0.079	0.096	2.00	2.45	
D	0.026		0.65		TYP.
G	0.047	0.055	1.20	1.40	
Н	0.071	0.087	1.80	2.20	
J		0.004		0.10	
K	0.031	0.043	0.80	1.10	
L	0.010	0.018	0.26	0.46	
Μ	0.003	0.006	0.08	0.15	

Suggested Solder Pad Layout



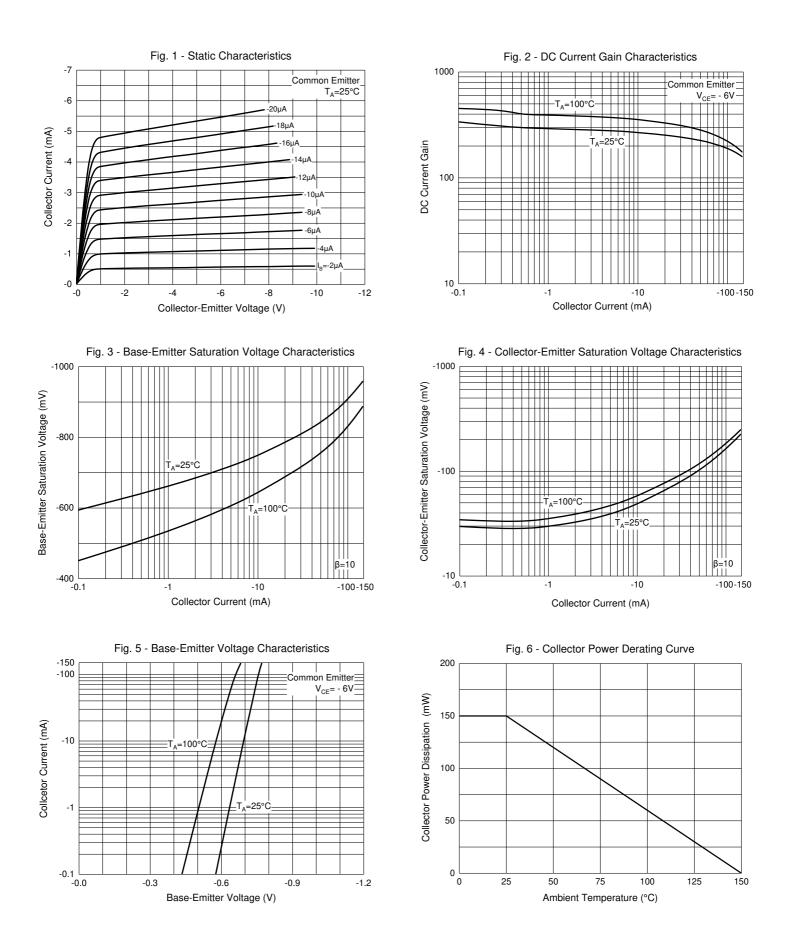


Electrical Characteristics @ $T_A=25^{\circ}C$ Unless Otherwise Specified

Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	V _{(BR)CBO}	-60			V	Ι _C =-50μΑ, Ι _E =0
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	-50			V	I _C =-1mA, I _B =0
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	-6			V	Ι _E =-50μΑ, Ι _C =0
Collector Cutoff Current	I _{CBO}			-0.1	μA	V _{CB} =-60V, I _E =0
Emitter Cutoff Current	I _{EBO}			-0.1	μA	V _{EB} =-6V, I _C =0
DC Current Gain	h _{FE}	120		560		V _{CE} =-6V, I _C =-1mA
Collector-Emitter Saturation Voltage	V _{CE(sat)}			-0.5	V	I _C =-50mA, I _B =-5mA
Transition Frequency	f _T		140		MHz	V _{CE} =-12V, I _E =2mA, f=100MHz
Output Capacitance	C _{ob}			5	pF	V _{CB} =-12V, I _E =0,f=1MHz



Curve Characteristics





Ordering Information

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

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