

Features

- Epitaxial Planar Die Construction
- 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

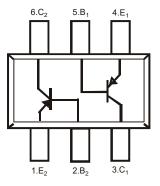
Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	-40	V
Collector-Emitter Voltage	V _{CEO}	-40	V
Emitter-Base Voltage	V _{EBO}	-5	V
Collector Current	Ι _C	-200	mA
Collector Power Dissipation	Pc	200	mW

Thermal characteristics

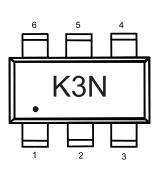
Parameter	Symbol	Rating	Unit
Operating Junction Temperature Range	T _{OPR}	-55~+150	°C
Storage Temperature Range	T _{STR}	-55~+150	°C
Thermal Resistance from Junction to Ambient	Rth _(J-A)	625	°C/W

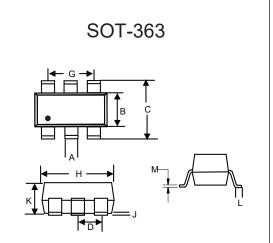
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.





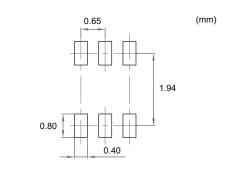
Marking Code





		DIMENSIONS						
	DIM	INCI	HES	M	М	NOTE		
	DIN	MIN	MAX	MIN MAX		NOTE		
	А	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	D 0.026 G 0.047 0.055		0.65		TYP.		
	G			1.20	1.40			
	Н	0.071	0.087	1.80	2.20			
l	J		0.004		0.10			
	К	0.031	0.043	0.80	1.10			
	L	0.010	0.018	0.26	0.46			
	М	0.003	0.006	0.08	0.15			

Suggested Solder Pad Layout



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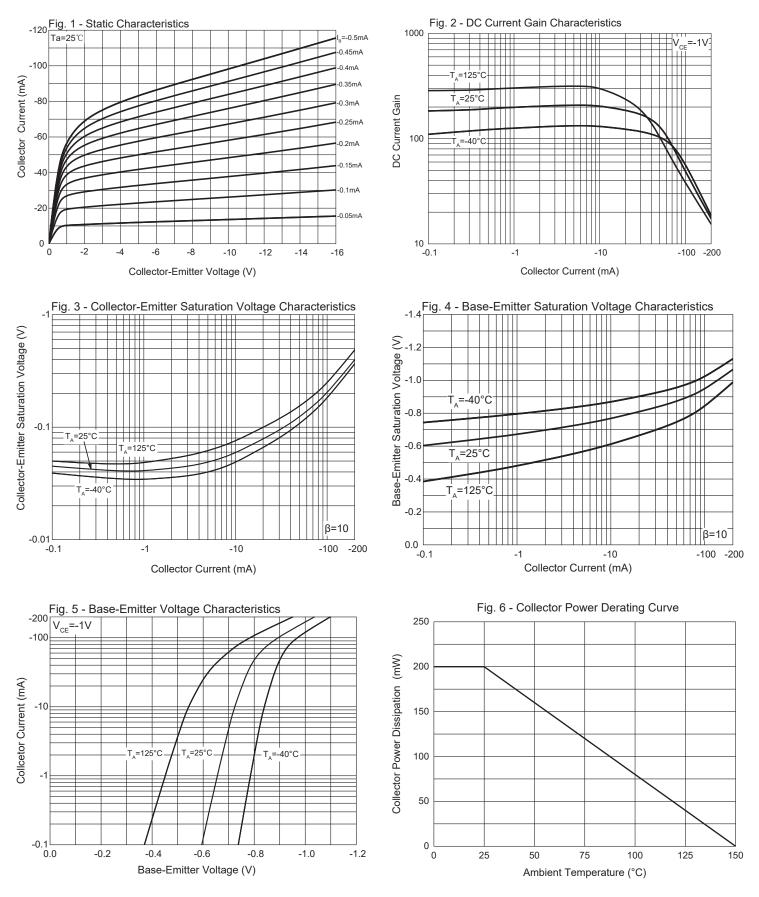


Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	V _{(BR)CBO}	-40			V	Ι _C =-10μΑ, Ι _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 =-10μΑ, I _C =0
Collector-Base Cutoff Current	I _{CBO}			-50	nA	V _{CB} =-30V, I _E =0
Emitter-Base Cutoff Current	I _{EBO}			-50	nA	V_{EB} =-5V, I _C =0
	h _{FE(1)}	40				V _{CE} =-1V, I _C =-0.1mA
	h _{FE(2)}	70				V _{CE} =-1V, I _C =-1mA
DC Current Gain	h _{FE(3)}	100		300		V _{CE} =-1V, I _C =-10mA
	h _{FE(4)}	60				V _{CE} =-1V, I _C =-50mA
	h _{FE(5)}	30				V _{CE} =-1V, I _C =-100mA
Collector Emitter Seturation Voltage	V _{CE(sat)}			-0.25	V	I _C =-10mA, I _B =-1mA
Collector-Emitter Saturation Voltage				-0.4	V	I _C =-50mA, I _B =-5mA
	V	-0.65		-0.85	V	I _C =-10mA, I _B =-1mA
Base-Emitter Saturation Voltage	V _{BE(sat)}			-0.95	V	I _C =-50mA, I _B =-5mA
Transition Frequency	f _T	250			MHz	V _{CE} =-20V, I _C =-10mA, f=100MHz
Output Capacitance	C _{ob}			4.5	pF	V _{CB} =-5V, I _E =0, f=1MHz
Naise Figure	NF			4	dB	V _{CE} =-5V, I _C =-0.1mA
Noise Figure						R _s =1KΩ, f=1KHz
Delay Time	t _d			35	ns	V _{CC} =-3V, I _C =-10mA
Rise Time	t _r			35	ns	V _{CE} =-0.5V, I _{B1} =-I _{B2} =-1mA
Storage Time	t _s			225	ns	V _{CC} =-3V, I _C =-10mA
Fall Time	t _f			75	ns	I _{B1} =I _{B2} =-1mA



Curve Characteristics



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Ordering Information

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

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