

Features

- Two 2SC2412K Chips in a Package
- Mounting Cost and Area Can be Cut in Half
- 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

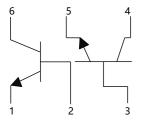
- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 833°C/W Junction to Ambient

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	60	V
Collector-Emitter Voltage	V _{CEO}	50	V
Emitter-Base Voltage	V _{EBO}	7	V
Continuous Collector Current	I _C	150	mA
Power Dissipation	P _D	150	mW

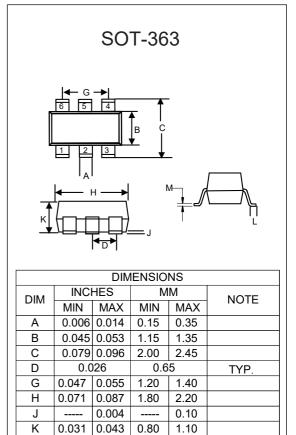
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

Marking: X3

Internal Structure



Dual NPN Transistors



Suggested Solder Pad Layout

0.26

0.08

0.46

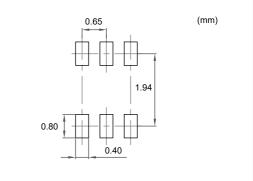
0.15

0.010 0.018

0.003 0.006

L

Μ



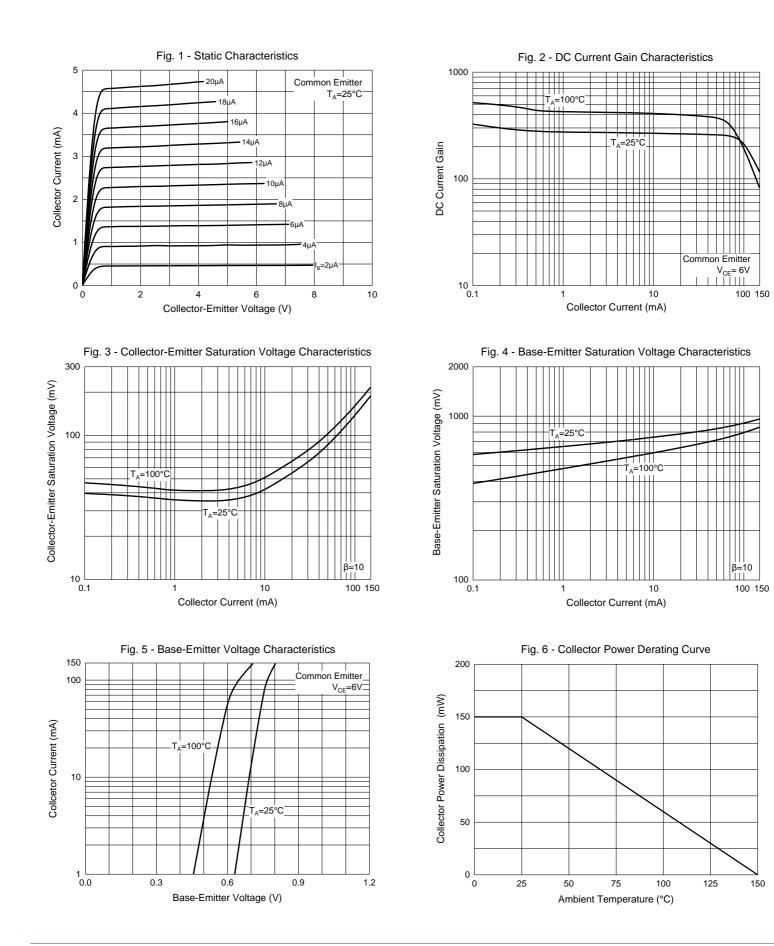


Electrical Characteristics @ $T_A=25^{\circ}C$ Unless Otherwise Specified

Parameter	Symbol	Min	Тур	Мах	Units	Conditions
Collector-Base Breakdown Voltage	V _{(BR)CBO}	60			V	I _C =50μA, I _E =0
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	50			V	I _C =1mA, I _B =0
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	7			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} =7V, I _C =0
DC Current Gain	h _{FE}	120		560		V _{CE} =6V, I _C =1mA
Collector-Emitter Saturation Voltage	V _{CE(sat)}			0.40	V	I _C =50mA, I _B =5mA
Transition Frequency	f _T		180		MHz	V _{CE} =12V, I _C =-2mA, f=100MHz
Output Capacitance	C _{ob}		2	3.5	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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