

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 Digital Transistor

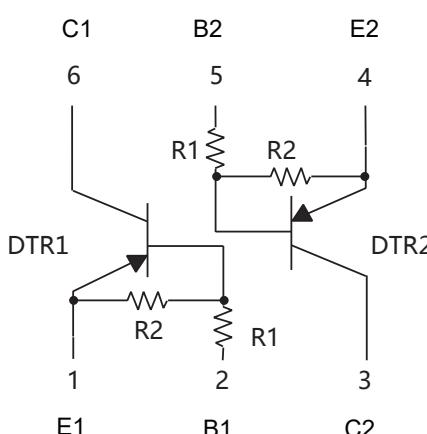
Maximum Ratings @ 25°C Unless Otherwise Specified

- Thermal Resistance: 833°C/W Junction to Ambient

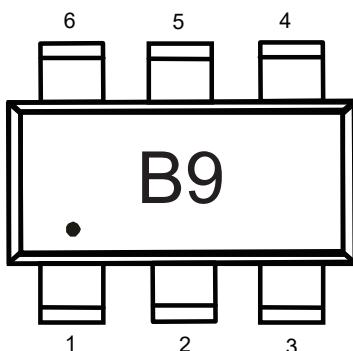
Parameter	Symbol	Value	Unit
Supply Voltage	V _{CC}	-50	V
Input Voltage	V _{IN}	-40~+6	V
Output Current	I _O	-100	mA
Power Dissipation	P _D	150	mW
Junction Temperature	T _J	-55~+150	°C
Storage Temperature	T _{stg}	-55~+150	°C

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

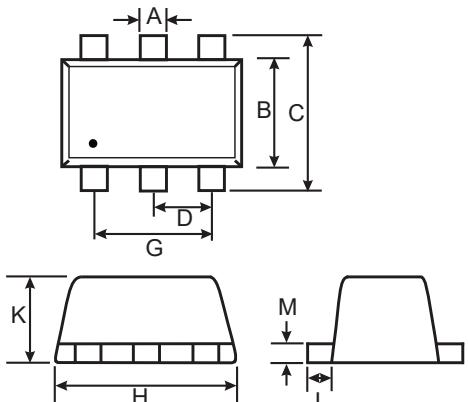
Internal Structure



Marking Code



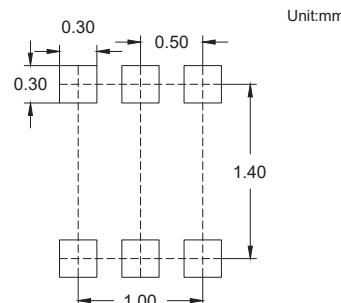
SOT-563



DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.006	0.011	0.15	0.30	
B	0.043	0.051	1.10	1.30	
C	0.059	0.067	1.50	1.70	
D	0.020		0.50		TYP.
G	0.035	0.043	0.90	1.10	
H	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	
M	0.004	0.007	0.10	0.18	

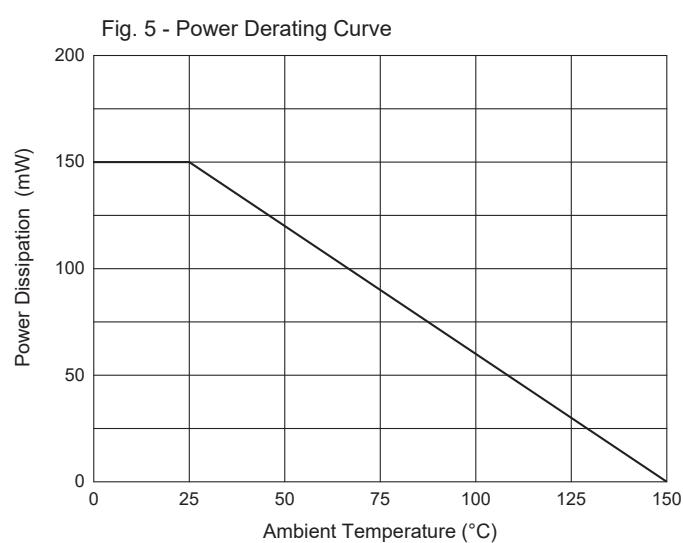
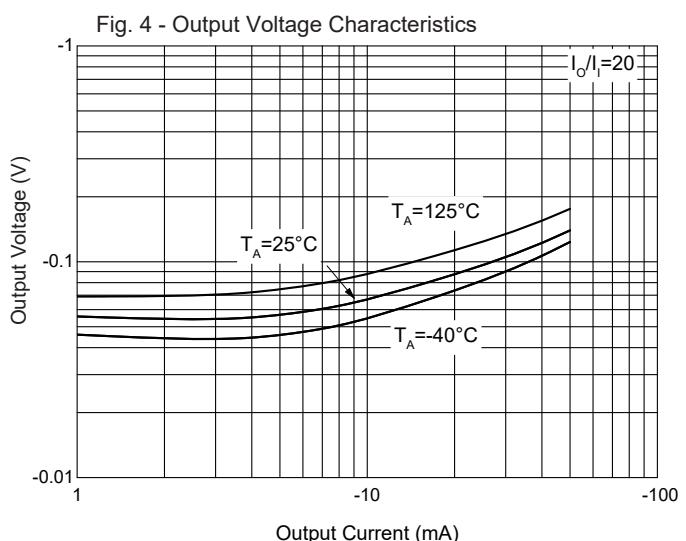
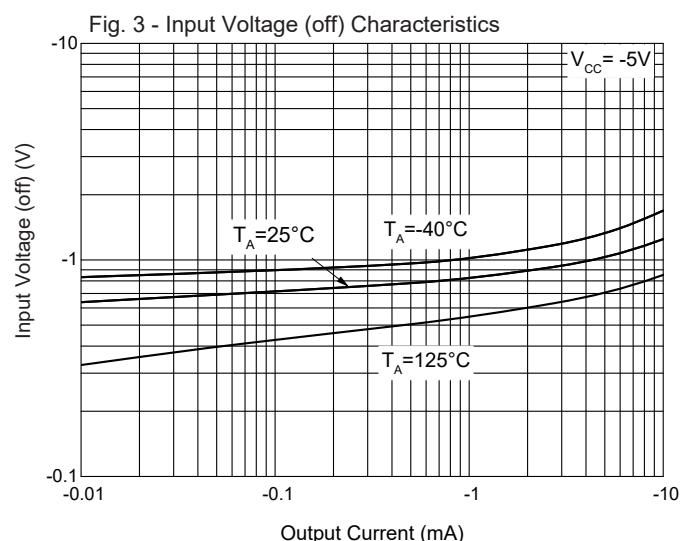
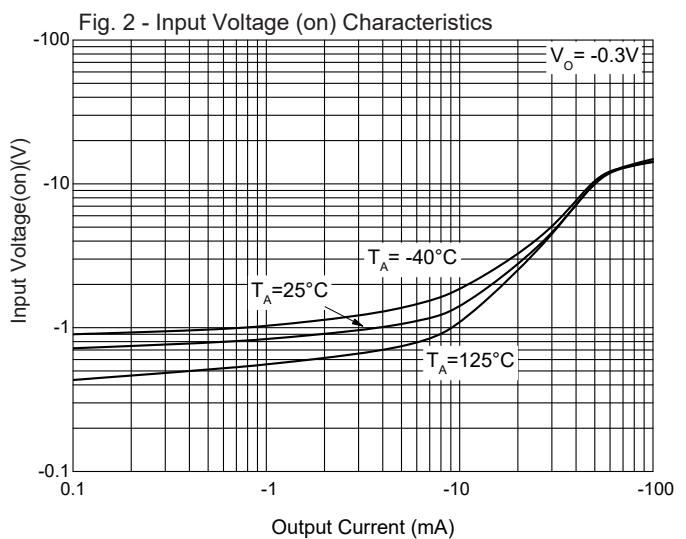
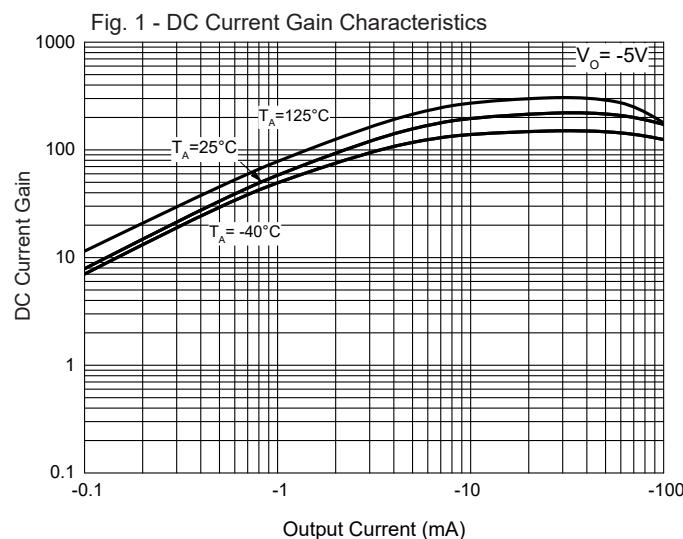
Suggested Solder Pad Layout



Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Input Voltage	$V_{I(off)}$	-0.3	---	---	V	$V_{CC}=-5V, I_O=-100\mu A$
	$V_{I(on)}$	---	---	-1.4	V	$V_O= -0.3V, I_O= -1mA$
Output Voltage	$V_{O(on)}$	---	---	-0.3	V	$I_O= -5mA, I_I= -0.25mA$
Input Current	I_I	---	---	-0.88	mA	$V_I= -5V$
Output Current	$I_{O(off)}$	---	---	-0.5	μA	$V_{CC}= -50V, V_I=0$
DC Current Gain	G_I	68	---	---		$V_O= -5V, I_O= -5mA$
Input Resistance	R_I	7	10	13	K Ω	
Resistance Ratio	R_2/R_1	3.7	4.7	5.7		
Transition Frequency	f_T	200	---	---	MHz	$V_{CE}= -10V, I_E= -5mA, f=100MHz$

Curve Characteristics



Ordering Information

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

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