

Features

- Halogen Free. "Green" Device (Note 1)
- AEC-Q101 Qualified
- · 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

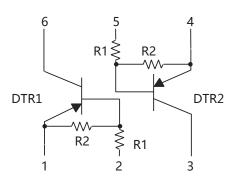
Parameter	Symbol	Value	Unit
Supply Voltage	V _{CC}	-50	V
Input Voltage	V _{IN}	-40~+6	V
Output Current	Io	-100	mA
Power Dissipation	P _D	150	mW
Junction Temperature	TJ	-55~+150	°C
Storage Temperature	T _{stg}	-55~+150	°C

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

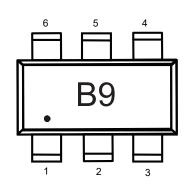
SOT-363

DIMENSIONS						
DIM INCHES		HES	M	M	NOTE	
DIIVI	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		
M	0.003	0.006	0.08	0.15		

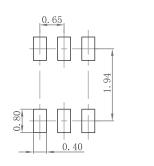
Internal Structure



Marking Code



Suggested Solder Pad Layout



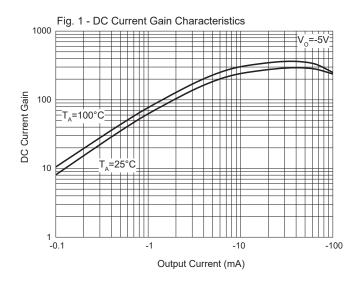


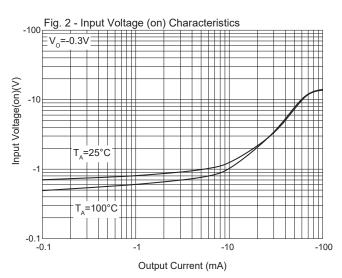
Electrical Characteristics @ 25°C Unless Otherwise Specified

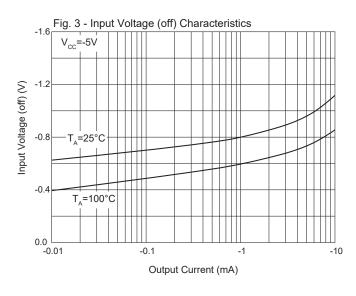
Parameter	Symbol	Min	Тур	Max	Unit	Conditions
Input Voltage	$V_{I(off)}$	-0.3			V	V _{CC} =-5V, I _O =-100μA
	V _{I(on)}			-1.4	V	V _O =-0.3V, I _O =-1mA
Output Voltage	V _{O(on)}			-0.3	V	I _O =-5mA,I _I =-0.25mA
Input Current	I _I			-0.88	mA	V _I =-5V
Output Current	I _{O(off)}			-0.5	μA	V _{CC} =-50V, V _I =0
DC Current Gain	Gı	68				V_O =-5V, I_O =-5mA
Input Resistance	R ₁	7	10	13	ΚΩ	
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

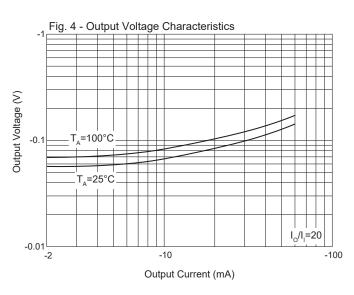


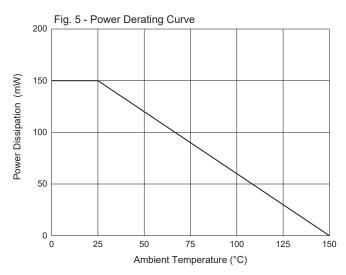
Curve Characteristics













Ordering Information

Device	Packing
UMB9NHE3-TP	Tape&Reel:3Kpcs/Reel

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