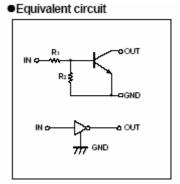


DTC114EE/DTC114EUA /DTC114EKA /DTC114ECA /DTC114ESA

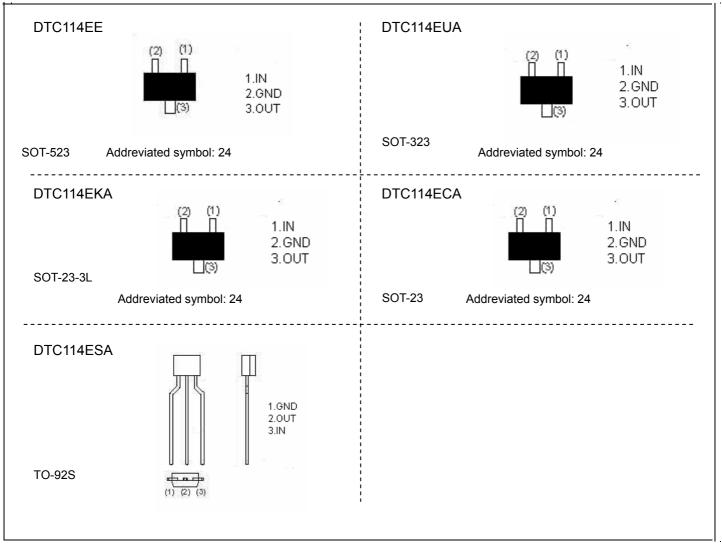
DIGITAL TRANSISTOR (NPN)

FEATURES

- 1. Built-in bias resistors enable the configuration of an inverter circuit without connecting external input resistors(see equivalent circuit).
- 2. The bias resistors consist of thin-film resistors with complete isolation to allow negative biasing of the input. They also have the advantage of almost completely eliminating parasitic effects.
- 3. Only the on/off conditions need to be set for operation, making device design easy.



PIN CONNENCTIONS AND MARKING

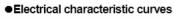


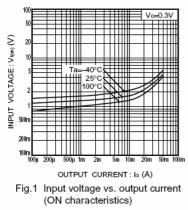
http://www.lgesemi.com

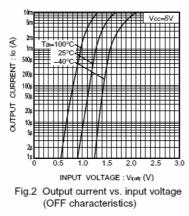
E	UA	CA	KA	SA	Unit		
				34	Unit		
	50						
-10~40							
50							
100							
150		300	mW				
150							
-55~150							

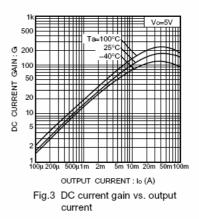
Parameter	Symbol	Min.	Тур	Max.	Unit	Conditions
Input voltage	V _{I(off)}			0.5	- v	V _{CC} =5V ,I _O =100µA
	V _{I(on)}	3				V _O =0.3V ,I _O =10 mA
Output voltage	V _{O(on)}			0.3	V	I ₀ /I _I =10mA/0.5mA
Input current	lı			0.88	mA	V _I =5V
Output current	I _{O(off)}			0.5	μA	V _{CC} =50V, V _I =0
DC current gain	Gı	30				V _O =5V ,I _O =5mA
Input resistance	R ₁	7	10	13	ΚΩ	
Resistance ratio	R ₂ /R ₁	0.8	1	1.2		
Transition frequency	f⊤		250		MHz	V ₀ =10V ,I ₀ =5mA,f=100MHz

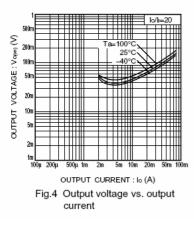
Typical Characteristics











X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Luguang manufacturer:

Other Similar products are found below :

 10N65
 12N65
 1N4007
 1N4148
 2N5400
 2N5550
 2N7000
 2N7002
 2N7002W
 2SA1020
 2SA1036
 2SA1037
 2W01
 2W02
 2W04
 2W06

 2W08
 2W10
 B125D
 B125S
 B250D
 B250S
 B380D
 B380S
 B40D
 B40S
 B500D
 B500S
 B80D
 B80S
 BAV102
 BAV103
 BAV20

 BZM55C10
 BZM55C11
 BZM55C12
 BZM55C13
 BZM55C15
 BZM55C18
 BZM55C20
 BZM55C22
 BZM55C24
 BZM55C27

 BZM55C2V0
 BZM55C2V2
 BZM55C2V4
 BZM55C30
 BZM55C33
 BZM55C36
 BZM55C39