



# THE DATASHEET OF ZTX614



# NPN SILICON PLANAR MEDIUM POWER DARLINGTON TRANSISTOR

ISSUE 1 – APRIL 94

## FEATURES

- \* 100 Volt  $V_{CE0}$
- \* 800 mA continuous current
- \* Gain of 10K at  $I_C=500\text{mA}$
- \*  $P_{\text{tot}}=1$  Watt

REFER TO BCX38 FOR GRAPHS

## ABSOLUTE MAXIMUM RATINGS

PARAMETER	MIN	MAX
Collector-Base Voltage		
Collector-Emitter Voltage		
Emitter-Base Voltage		
Continuous Collector Current		
Power Dissipation at $T_{\text{amb}}=25^\circ\text{C}$ derate above $25^\circ\text{C}$		
Operating and Storage Temperature Range		



## ELECTRICAL CHARACTERISTICS

PARAMETER	SYMBOL	MIN	MAX
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	12	
Collector-Emitter Sustaining Voltage	$V_{CE0(sus)}$	10	
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	10	
Collector Cut-Off Current	$I_{CBO}$		
Emitter Cut-Off Current	$I_{EBO}$		
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$		
Base-Emitter Turn-On Voltage	$V_{BE(on)}$		
Static Forward Current Transfer Ratio	$h_{FE}$	5	10

\*Measured under pulsed conditions. Pulse

## Looking for pricing, stock, or lifecycle information?

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