



THE DATASHEET OF ZTX614QSTZ



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°C		
Operating and Storage Temperature		



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?

Click below to explore more details on WIN SOURCE:

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-  [Diodes Incorporated](#) Information

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