

#### Typical Characteristics @TA = 25°C unless otherwise specified

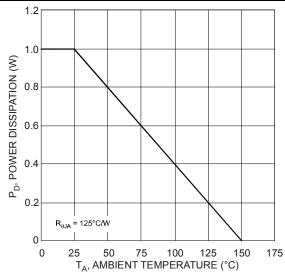
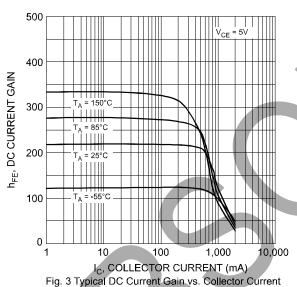


Fig. 1 Power Dissipation vs. Ambient Temperature (Note 3)



vs. Collector Current

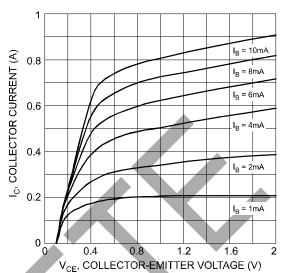


Fig. 2 Typical Collector Current vs. Collector-Emitter Voltage

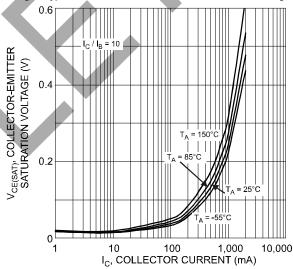


Fig 4. Typical Collector-Emitter Saturation Voltage vs. Collector Current

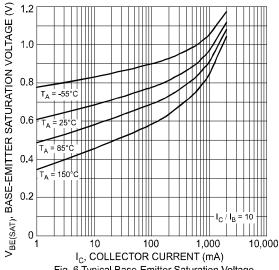
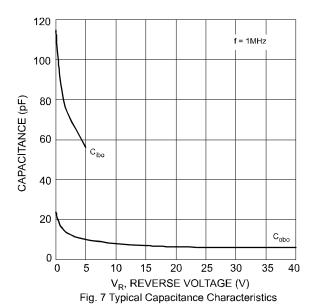
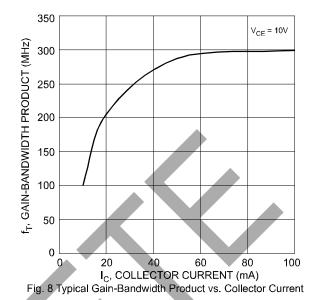


Fig. 6 Typical Base-Emitter Saturation Voltage vs. Collector Current





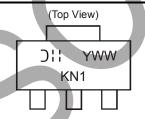


## Ordering Information (Note 5)

Device	Packaging	Shipping	
DZT491-13	SOT-223	2500/Tape & Reel	

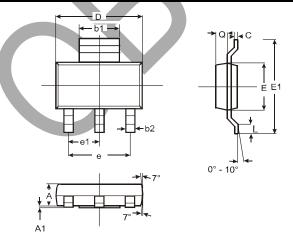
Notes: 5. For packaging details, go to our website at http://www.diodes.com/datasheets/ap02007.pdf.

## **Marking Information**



Dil = Manufacturer's code marking KN1 = Product type marking code YWW = Date code marking Y = Last digit of year ex: 7 = 2007 WW = Week code 01 - 52

## **Package Outline Dimensions**



SOT-223				
Dim	Min	Max	Тур	
Α	1.55	1.65	1.60	
A1	0.010	0.15	0.05	
b1	2.90	3.10	3.00	
b2	0.60	0.80	0.70	
С	0.20	0.30	0.25	
D	6.45	6.55	6.50	
Е	3.45	3.55	3.50	
E1	6.90	7.10	7.00	
е	_	_	4.60	
e1	_	_	2.30	
L	0.85	1.05	0.95	
ø	0.84	0.94	0.89	
All Dimensions in mm				



# Suggested Pad Layout: (Based on IPC-SM-782)





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