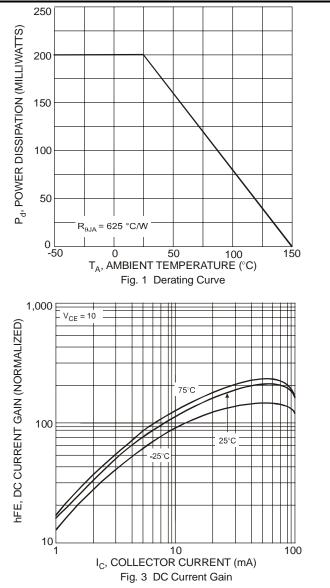


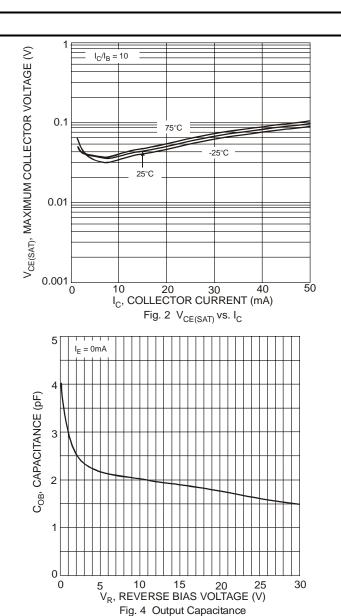
Electrical Characteristics @T_A = 25°C unless otherwise specified

Characteristic		Symbol	Min	Тур	Max	Unit	Test Condition	
Collector-Base Breakdown Voltage		BV _{CBO}	50	_	_	V	$I_{\rm C} = 50 \mu A$	
Collector-Emitter Breakdown Voltage		BV _{CEO}	50	_		V	I _C = 1mA	
Emitter-Base Breakdown Voltage		BV _{EBO}	5	_	_	V	$\begin{split} I_{E} &= 720\mu\text{A}, \text{DDTC114GUA}\\ I_{E} &= 330\mu\text{A}, \text{DDTC124GUA}\\ I_{E} &= 160\mu\text{A}, \text{DDTC144GUA}\\ I_{E} &= 72\mu\text{A}, \text{DDTC115GUA} \end{split}$	
Collector Cutoff Current		I _{CBO}		_	0.5	μΑ	$V_{CB} = 50V$	
Emitter Cutoff Current	DDTC114GUA DDTC124GUA DDTC144GUA DDTC115GUA	I _{EBO}	300 140 65 30	_	580 260 130 58	μA	V _{EB} = 4V	
Collector-Emitter Saturation Voltage		V _{CE(sat)}	_		0.3	V	$I_{C} = 10 \text{mA}, I_{B} = 0.5 \text{mA}$	
DC Current Transfer Ratio	DDTC114GUA DDTC124GUA DDTC144GUA DDTC115GUA	h _{FE}	30 56 68 82	_			I _C = 5mA, V _{CE} = 5V	
Bleeder Resistor (R ₂) Tolerance		ΔR_2	-30		+30	%		
Gain-Bandwidth Product*		f⊤		250		MHz	V _{CE} = 10V, I _E = -5mA, f = 100MHz	

* Transistor - For Reference Only

Typical Characteristics – DDTC114GUA

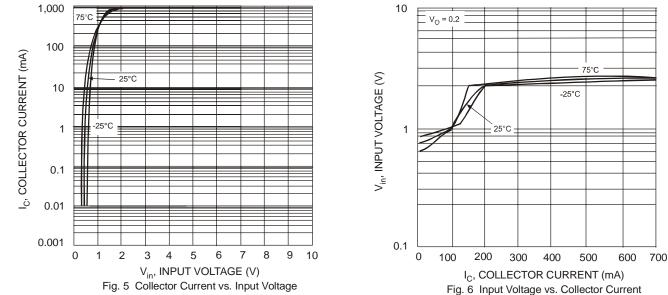




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Downloaded from Arrow.com.



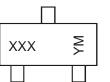


Ordering Information (Note 4 & 5)

Device	Packaging	Shipping
DDTC114GUA-7-F	SOT-323	3000/Tape & Reel
DDTC124GUA-7-F	SOT-323	3000/Tape & Reel
DDTC144GUA-7-F	SOT-323	3000/Tape & Reel
DDTC115GUA-7-F	SOT-323	3000/Tape & Reel

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

Marking Information



XXX = Product Type Marking Code, See Table on Page 1 YM = Date Code Marking Y = Year ex: T = 2006 M = Month ex: 9 = September

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ate Code Key										
Year	2006		2007		2008	20	09	2010		1
Code	Т		U		V	V	V	Х		1
Month	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Se	р

IMPORTANT NOTICE

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Code