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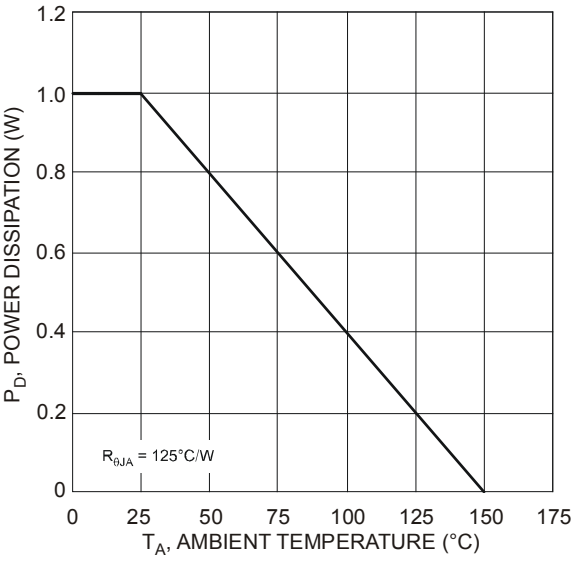

Fig. 1 Power Dissipation vs. Ambient Temperature (Note 3)

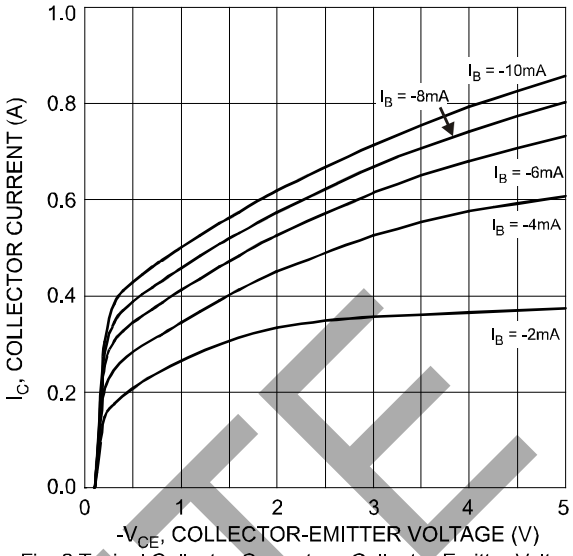

Fig. 2 Typical Collector Current vs. Collector-Emitter Voltage

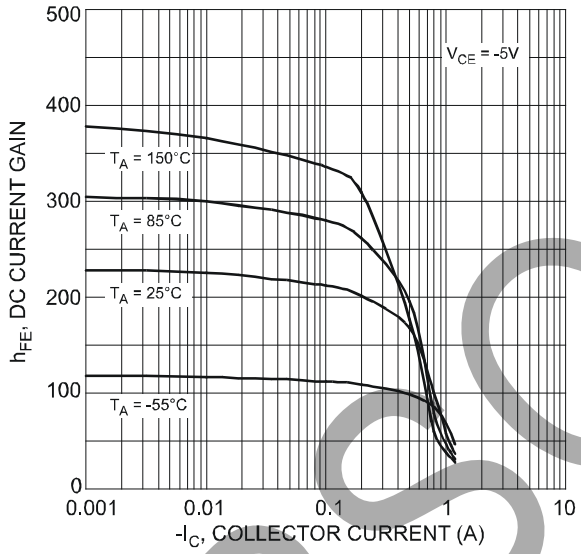

Fig. 3 Typical DC Current Gain vs. Collector Current

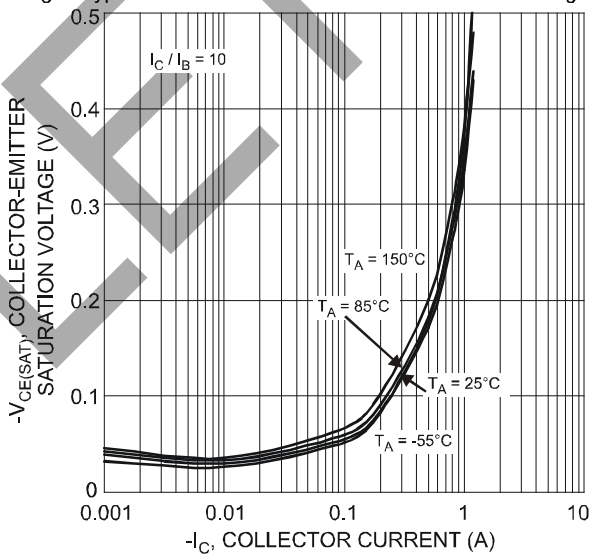

Fig. 4 Typical Collector-Emitter Saturation Voltage vs. Collector Current

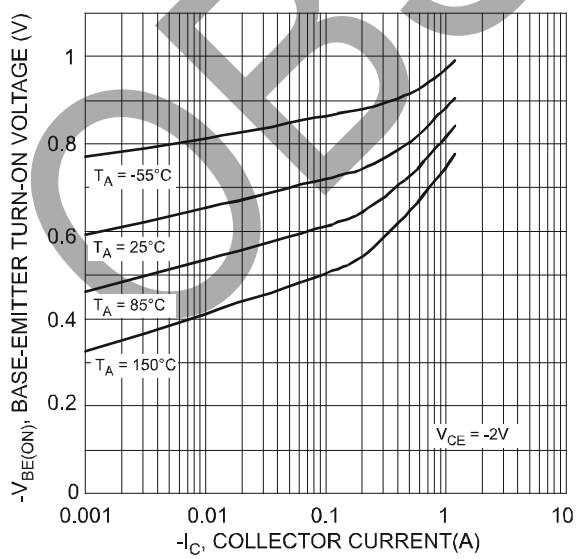

Fig 5. Typical Base-Emitter Turn-On Voltage vs. Collector Current

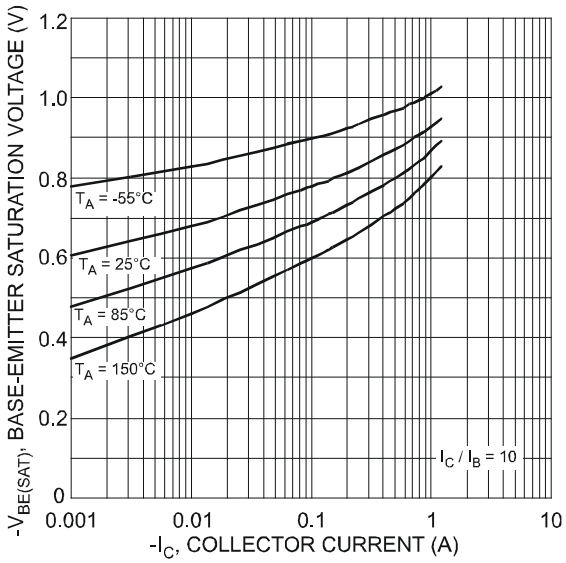

Fig. 6 Typical Base-Emitter Saturation Voltage vs. Collector Current

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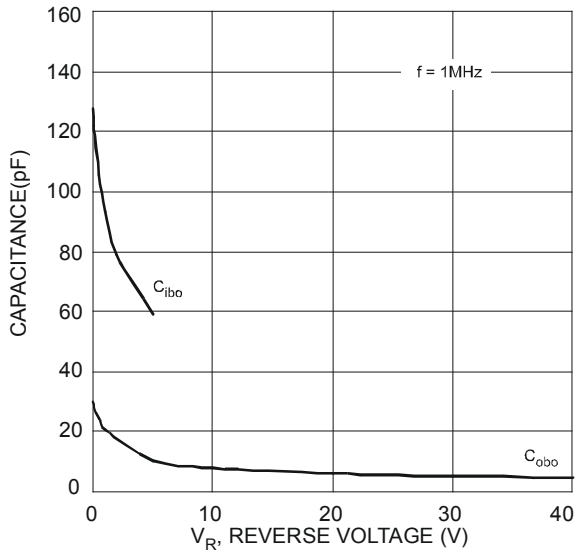


Fig. 7 Typical Capacitance Characteristics

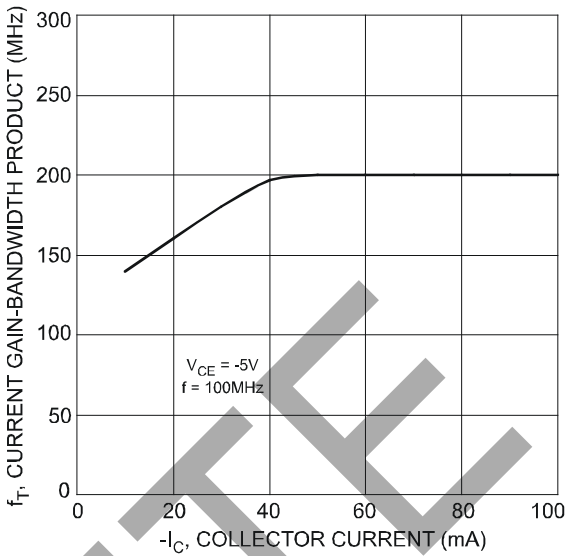


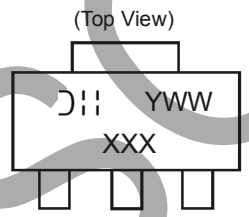
Fig. 8 Typical Gain-Bandwidth Product vs. Collector Current

Ordering Information (Note 5)

Device	Packaging	Shipping
DCX52-13	SOT89-3L	2500/Tape & Reel
DCX52-16-13	SOT89-3L	2500/Tape & Reel

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

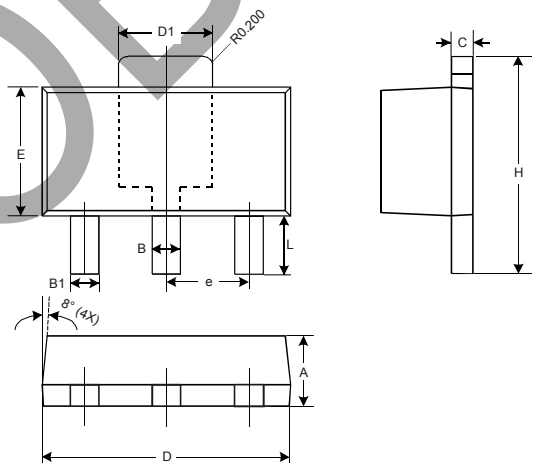
Marking Information



= Manufacturer's code marking
XXX = Product type marking code Ex: P16 = DCX52
P16-16 = DCX52 -16

YWW = Date code marking
Y = Last digit of year ex: 7 = 2007
WW = Week code 01 - 52

Package Outline Dimensions



SOT89-3L			
Dim	**Min**	**Max**	**Typ**
A	1.40	1.60	1.50
B	0.45	0.55	0.50
B1	0.37	0.47	0.42
C	0.35	0.43	0.38
D	4.40	4.60	4.50
D1	1.50	1.70	1.60
E	2.40	2.60	2.50
e	—	—	1.50
H	3.95	4.25	4.10
L	0.90	1.20	1.05
All Dimensions in mm			

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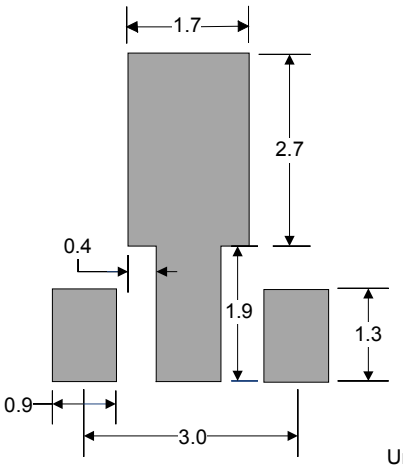
Suggested Pad Layout



Unit: mm

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