

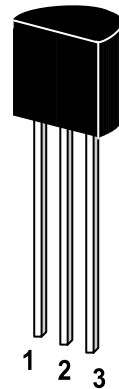
ST 2SC3266

NPN Silicon Epitaxial Planar Transistor

for power amplifier and power switching applications.

The transistor is subdivided into three groups, Y, G and L, according to its DC current gain.

On special request, these transistors can be manufactured in different pin configurations.

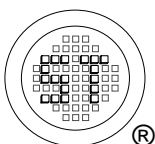


1. Emitter 2. Collector 3. Base

TO-92 Plastic Package
Weight approx. 0.19g

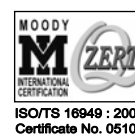
Absolute Maximum Ratings (Ta=25°C)

	Symbol	Value	Unit
Collector to Base Voltage	V_{CBO}	20	V
Collector to Emitter Voltage	V_{CEO}	20	V
Emitter to Base Voltage	V_{EBO}	6	V
Base Current	I_B	0.5	A
Collector Current	I_C	2	A
Power Dissipation	P_{tot}	750	mW
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_s	-55 to +150	°C



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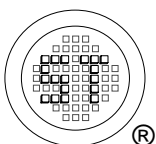


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ST 2SC3266

Characteristics at $T_{amb}=25\text{ }^{\circ}\text{C}$

		Symbol	Min.	Typ.	Max.	Unit
DC Current Gain at $V_{CE}=2V, I_C=0.1A$	Y	h_{FE}	120	-	240	-
	G	h_{FE}	200	-	400	-
	L	h_{FE}	350	-	700	-
		h_{FE}	75	-	-	-
Collector Cutoff Current at $V_{CB}=20V$		I_{CBO}	-	-	0.1	μA
Emitter Cutoff Current at $V_{EB}=6V$		I_{EBO}	-	-	0.1	μA
Collector Emitter Breakdown Voltage at $I_C=10mA$		$V_{(BR)CEO}$	20	-	-	V
Emitter Base Breakdown Voltage at $I_E=0.1mA$		$V_{(BR)EBO}$	6	-	-	V
Collector to Emitter Saturation Voltage at $I_C=2A, I_B=0.1A$		$V_{CE(sat)}$	-	-	0.5	V
Base Emitter Voltage at $V_{CE}=2V, I_C=0.1A$		V_{BE}	-	-	0.85	V
Collector Output Capacitance at $V_{CB}=10V, f=1.0MHz$		C_{ob}	-	30	-	pF
Transition Frequency at $V_{CE}=2V, I_C=0.5A$		f_T	-	120	-	MHz



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ISO/TS 16949 : 2002
Certificate No. 05103



ISO 14001:2004
Certificate No. 7116

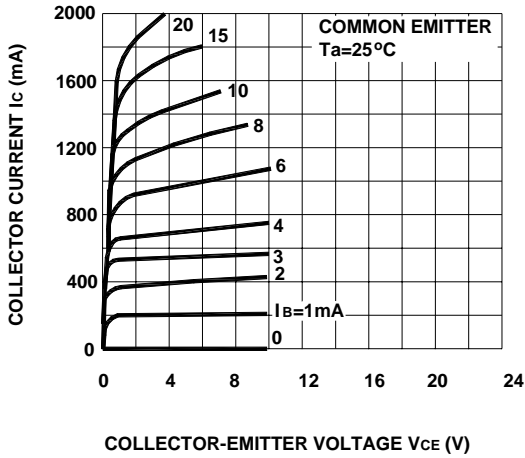


ISO 9001:2000
Certificate No. 0506098

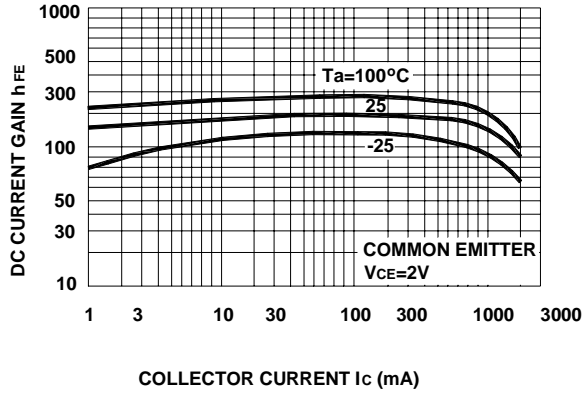
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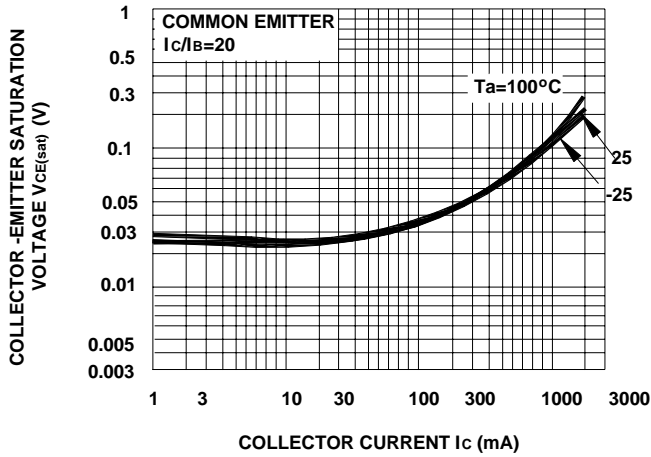
Ic - VCE



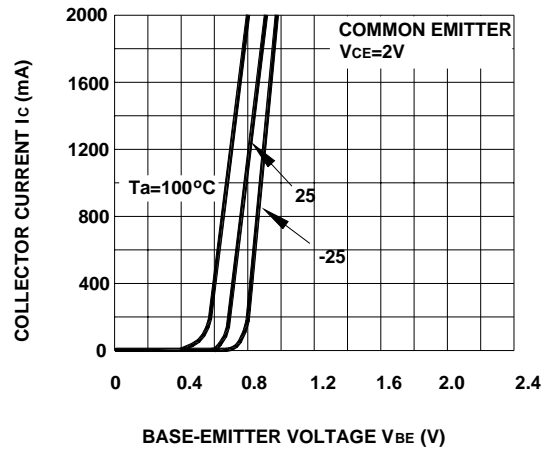
hFE - Ic



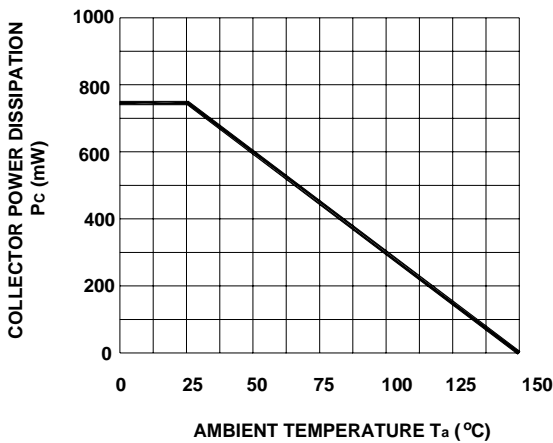
VCE(sat) - Ic



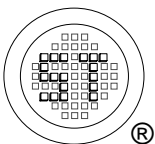
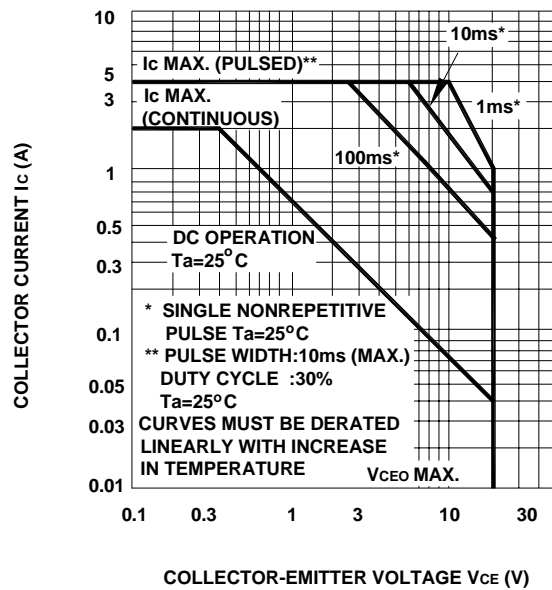
Ic - VBE



Pc - Ta



SAFE OPERATING AREA



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