

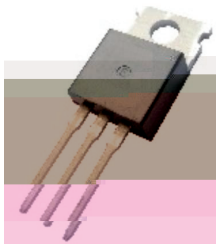
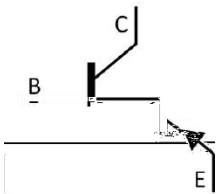
**/ Descriptions**

Silicon PNP transistor in a TO-220 Plastic Package.

**/ Features** 9324.4P523n12 0.211W 0.001180.0033n12 0554 60840.24 18ref62.0 6084638.00fB/TT81 Tf

Complementary pair with 2SC2344.

High voltage switching, AF power amplifier, 100W output predriver applications.



PIN1 Base      PIN 2 Collector      PIN 3 Emitter

**/ h<sub>FE</sub> Classifications & Marking**

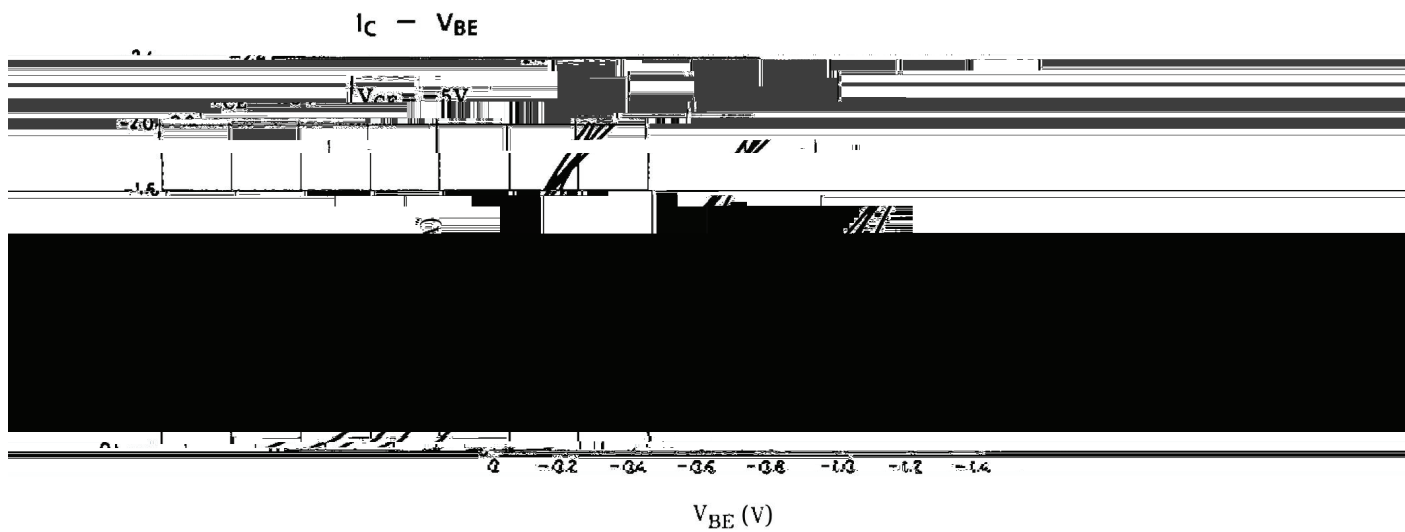
**/ Absolute Maximum Ratings(Ta=25 )**

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	-180	V
Collector to Emitter Voltage	$V_{CEO}$	-160	V
Emitter to Base Voltage	$V_{EBO}$	-6.0	V
Collector Current - Continuous	$I_C$	-1.5	A
Collector Current – Continuous(Pulse)	$I_{CP}$	-3.0	A
Collector Power Dissipation	$P_C$	2.0	W
	$P_C(T_C=25 )$	25	W
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-55 150	

**/ Electrical Characteristics(Ta=25 )**

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	$V_{CBO}$	$I_C=-1.0mA$ $I_E=0$	-180			V
Collector to Emitter Breakdown Voltage	$V_{CEO}$	$I_C=-1.0mA$ $I_B=0$	-160			V
Emitter to Base Breakdown Voltage	$V_{EBO}$	$I_E=-10mA$ $I_C=0$	-6.0			V
Collector Cut-Off Current	$I_{CBO}$	$V_{CB}=-120V$ $I_E=0$			-10	A
Emitter Cut-Off Current	$I_{EBO}$	$V_{EB}=-4.0V$ $I_C=0$			-10	A
DC Current Gain	$h_{FE}$	$V_{CE}=-5.0V$ $I_C=-300mA$	60		200	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-500mA$ $I_B=-50mA$		-0.5		V
Base to Emitter Voltage	$V_{BE}$	$V_{CE}=-5.0V$ $I_C=-10mA$		-1.5		V
Transition Frequency	$f_T$	$V_{CE}=-10V$ $I_C=-50mA$		100		MHz
Collector output capacitance	$C_{ob}$	$V_{CB}=-10V$ $f=1.0MHz$		30		pF
Turn-On Time	$t_{on}$	$-10I_{B1}=10I_{B2}=-I_C=-0.5A$		0.29		s
Turn-Off Time	$t_{off}$			0.19		s
Storage Time	$t_{stg}$			0.48		s

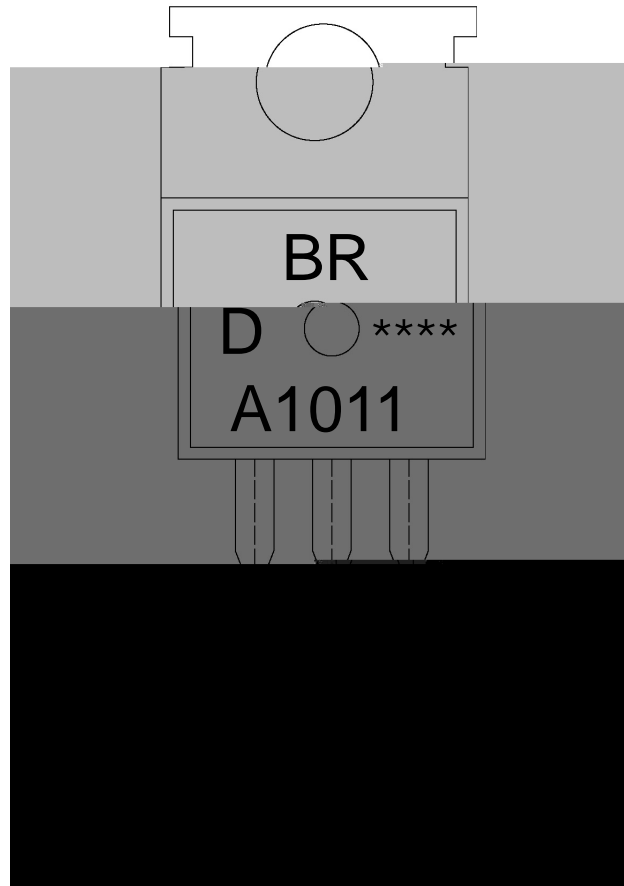
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

A1011

D                       $h_{FE}$

Note:

BR:                      Company Code

A1011:                  Product Type.

D:                         $h_{FE}$  Classifications Symbol

\*\*\*\*:                    Lot No. Code, code change with Lot No.

