

2SD325

Low Frequency Power Amplifier Applications

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. 5 Watts AF Power amplifier output use. There are complementary pair.

(): 2SB511

Absolute Maximum Ratings at Ta=25°C

Collector to Base Voltage	V _{CB0}	(-) 35	V
Collector to Emitter Voltage	V _{CE0}	(-) 35	V
Emitter to Base Voltage	V _{EB0}	(-) 5	V
Collector Current	I _C	(-) 1.5	A
Peak Collector Current	i _{cp}	(-) 3	A
Collector Dissipation	P _C	1.75	W
		T _c =25°C	
Junction Temperature	T _j	150	°C
Storage Temperature	T _{stg}	-55 to +150	°C

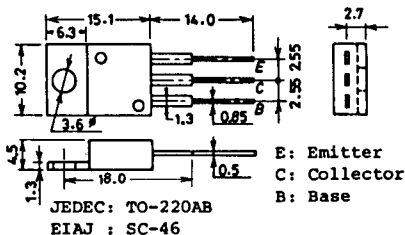
Electrical Characteristics at Ta=25°C

		min	typ	max
Collector Cutoff Current	I _{CB0} V _{CB} =(-) 20V, I _E =0			(-) 0.1
Emitter Cutoff Current	I _{EB0} V _{EB} =(-) 4V, I _C =0			(-) 1.0
DC Current Gain	h _{FE} (1) V _{CE} =(-) 2V, I _C =(-) 1A	40*		320*
	h _{FE} (2) V _{CE} =(-) 2V, I _C =(-) 0.1A	35		
Gain Bandwidth Product	f _T V _{CE} =(-) 5V, I _C =(-) 0.5A		8	
C-E Saturation Voltage	V _{CE(sat)} I _C =(-) 1.5A, I _B =(-) 0.15A			(-) 1.0
Base to Emitter Voltage	V _{BE} I _C =(-) 1A, V _{CE} =(-) 5V			(-) 1.5

*: The 2SB511/2SD325 are classified by I_A h_{FE} as follows:

40	C	80	60	D	120	100	E	200	160	F	320
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Case Outline 2010A (unit:mm)



For details, refer to the description of the 2SD325.