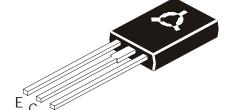






NPN PLASTIC POWER TRANSISTOR

CSD1506



TO126 Plastic Package

Complementary CSB1065

Low Frequency Power Amplifier

ABSOLUTE MAXIMUM RATINGS(Ta=25°C unless specified otherwise)

DESCRIPTION	SYMBOL	VALUE	UNIT
Collector Base Voltage(open emitter)	V_{CBO}	>60	V
Collector Emitter Voltage (open base)	V_{CEO}	>50	V
Emitter Base Voltage(open collector)	V_{EBO}	>5.0	V
Collector Current (DC)	I_{C}	<3.0	Α
Collector Current (Pulse) (1)	I _C	<4.5	Α
Total Power Dissipation@ Tc=25°C	P_{tot}	<10	W
Total Power Dissipation@ Ta=25°C	P_{tot}	<1.2	W
Junction Temperature	T _i	<150	°С
Storage Temperature	T_{stg}	-65 to +150	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C unless specified otherwise)

DESCRIPTION	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Collector-Cut off Current	I _{CBO}	I _E =0, V _{CB} =40V			1.0	μΑ
Emitter cut off Current	I _{EBO}	V_{EB} =4V, I_{C} =0			1.0	μΑ
Breakdown Voltages	$V_{\sf CEO}$	$I_C = 1 \text{mA}, I_B = 0$	50			V
		$I_{C} = 50 \mu A, I_{E} = 0$	60			V
	V_{EBO}	$I_{C} = 0, I_{E} = 50 \mu A$	5			V
Saturation Voltages	V _{CE (sat)} *	$I_C=2A$, $I_B=0.2A$			1	V
	V _{BE (sat)} *				1.5	V
DC Current Gain	h _{FE} *	I_{C} =0.5A, V_{CE} =3 V^{**}	56		390	
Output Capacitance at f=1MHz	Co	$I_{E} = 0, V_{CB} = 10V$		40		pF
Transition Frequency	f _T *	I _C =0.5A, V _{CE} =5V		90		MHz

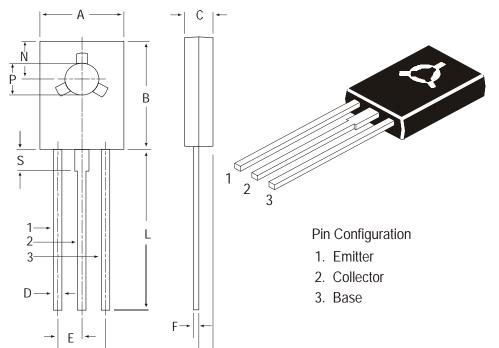
(1) Single Pulse P_W = 100ms

^{*} Pulse test

^{**}h_{FE} classification : N :56-120 Q:120-270 P: 82-180 R:180-390

TO126 Plastic Package

TO-126 (SOT-32) Plastic Package



DIM	MIN	MAX		
А	7.4	7.8		
В	10.5	10.8		
С	2.4	2.7		
D	0.7	0.9		
E	2.25 TYP.			
F	0.49	0.75		
G	4.5 TYP.			
L	15.7 TYP.			
М	1.27 TYP.			
N	3.75 TYP.			
Р	3.0	3.2		
S	2.5 TYP.			

All diminsions in mm.

Packing Detail

PACKAGE	STANDARD PACK		INNER CARTON BOX		OUTER CARTON BOX		
	Details	Net Weight/Qty	Size	Qty	Size	Qty	Gr Wt
	500 pcs/polybag	1 g	3" x 7.5" x 7.5"	2K	17" x 15" x 13.5"	32K	31 kgs
TO-126 Tube	50 pcs/tube	73 gm/50 pcs	3" x 3.7" x 21.5"	1K	19" x 19" x 19"	10K	15 kgs

Notes CSD1506

> TO126 **Plastic Package**

Disclaimer

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