

NPN SILICON PLASTIC POWER DARLINGTON TRANSISTOR

CDD1933 (9AW) TO126

1933

MARKING: CDD

Low Freq. Power Amp. Built in Damper Diode Complementry CDB 1342

ABSOLUTE MAXIMUM RATINGS(Ta=25deg C)

DESCRIPTION	SYMBOL	VALUE	UNIT	
Collector -Base Voltage	VCBO	80	V	
Collector -Emitter Voltage	VCEO	80	V	
Emitter Base Voltage	VEBO	7	V	
Collector Current Continuous	IC	4	А	
Peak*		6	А	
Collector Power Dissipation @ Ta=25 deg C	PC	1.5	W	
Collector Power Dissipation @ Tc=25 deg C		30	W	
Junction Temperature	Tj	150	deg C	
Storage Temperature Range	Tstg	-55 to +150	deg C	

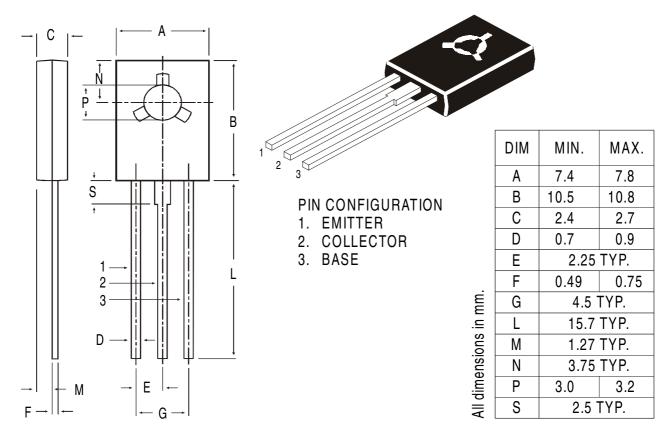
*Single Pulse Pw=100ms

ELECTRICAL CHARACTERISTICS (Ta=25 deg C Unless Specified)

DESCRIPTION	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
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Collector Emitter Voltage	VCEO	IC=1mA, IB=0	80	-	-	V
Collector Base Voltage	VCBO	IC=50uA, IE=0	80	-	-	V
Collector Cut off Current	ICBO	VCB=80V, IE=0	-	-	100	uA
Emitter Cut off Current	IEBO	VBE=5V,IC=0	-	-	3.0	mA
Collector Emitter Saturation Voltage	VCE(Sat)**	IC=2A,IB=4mA	-	-	1.5	V
DC Current Gain	hFE**	IC=2A, VCE=3V	1.0	-	10	К
Dynamic Characteristics						
Transition Frequency	ft	VCE=5V,IC=0.2A, f=10MHz	-	40	-	MHz
Collector Output Capacitance	Cob	VCB=10V, IE=0 f=1MHz	-	35	-	pF

**Pulse Test

TO-126 (SOT-32) Plastic Package



Packing Detail

PACKAGE	STAND#	ARD PACK	INNER CARTON BOX		OUTER CARTON BOX		
	Details	Net Weight/Qty	Size	Qty	Size	Qty	Gr Wt
T0-126	500 pcs/polybag	340 gm/500 pcs	3" x 7.5" x 7.5"	2.0K	17" x 15" x 13.5"	32.0K	31 kgs

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Data Sheet