

FEATURES

- Available as "HR" (high reliability) screened per MIL-PRF-19500, JANTX level. Add "HR" suffix to base part number.
- Available as non-RoHS (Sn/Pb plating), standard, and as RoHS by adding "-PBF" suffix.

MAXIMUM RATINGS

Characteristic	Symbol	BU326	BU326A	Unit
Collector-Emitter Voltage	V_{CE0}	800	900	V
Collector-Emitter Voltage	V_{CEO}	375	400	V
Emitter-Base Voltage	V_{EBO}	10		V
Collector Current – continuous	I_C	6		A
Peak		8		
Base Current -continuous	I_B	3.0		A
Total Power Dissipation @ $T_C = 25^\circ\text{C}$	P_D	75		W
Operating and Storage Temperature Range	T_J, T_{stg}	-65 to +200		$^\circ\text{C}$
Thermal Resistance, Junction to Case	$R_{\theta JC}$	2.33		$^\circ\text{C/W}$

ELECTRICAL CHARACTERISTICS ($T_C = 25^\circ\text{C}$ unless otherwise specified)

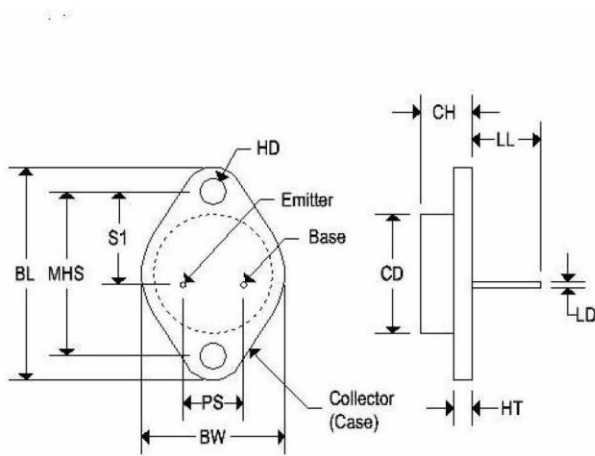
Characteristic		Symbol	Min	Max	Unit
Collector-Emitter Sustaining Voltage ($I_C = 100\text{mA}, I_B = 0$)	BU326	$V_{CE(sus)}$	375	-	V
	BU326A		400	-	
Collector-Emitter Saturation Voltage ($I_C = 2.5\text{A}, I_B = 0.5\text{A}$) ($I_C = 4.0\text{A}, I_B = 1.25\text{A}$)		$V_{CE(sat)}$	-	1.5	V
			-	3.0	
Base-Emitter Saturation Voltage ($I_C = 2.5\text{A}, I_B = 0.5\text{A}$) ($I_C = 4.0\text{A}, I_B = 1.25\text{A}$)		$V_{BE(sat)}$	-	1.4	V
			-	1.6	
Collector Cutoff Current ($V_{CE} = 800\text{V}, V_{BE} = 0$) ($V_{CE} = 900\text{V}, V_{BE} = 0$)	BU326	I_{CES}	-	1.0	mA
	BU326A		-	1.0	
Emitter Cutoff Current ($V_{EB} = 10\text{V}, I_C = 0$)		I_{EBO}	-	10	mA
DC Current Gain ($I_C = 1.0\text{A}, V_{CE} = 5.0\text{V}$)		h_{FE}	25(typ)		-
Transition Frequency ($I_C = 200\text{mA}, V_{CE} = 10\text{V}, f = 1\text{MHz}$)		f_T	4.0	-	MHz
Turn-On Time	$I_C = 2.5\text{A}, I_{B1} = 0.5\text{A}, I_{B2} = -1.0\text{A}, V_{CC} = 250\text{V}$	t_{on}	-	0.5	μs
Storage Time		t_s	-	3.5	
Fall Time		t_f	-	0.5	

BU326(A)

NPN POWER TRANSISTORS

MECHANICAL CHARACTERISTICS

Case:	TO-3
Marking:	Alpha-Numeric
Polarity:	See below



	TO-3			
	Inches		Millimeters	
	Min	Max	Min	Max
CD	-	0.875	-	22.220
CH	0.250	0.380	6.860	9.650
HT	0.060	0.135	1.520	3.430
BW	-	1.050	-	26.670
HD	0.131	0.188	3.330	4.780
LD	0.038	0.043	0.970	1.090
LL	0.312	0.500	7.920	12.700
BL	1.550 REF		39.370 REF	
MHS	1.177	1.197	29.900	30.400
PS	0.420	0.440	10.670	11.180
S1	0.655	0.675	16.640	17.150