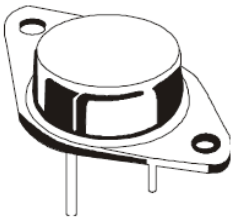
NPN-POWER TRANSISTOR

BU326, BU326A
TO-3
Metal Can Package



ABSOLUTE MAXIMUM RATING

PARAMETER	SYMBOL	BU326	BU326A	UNITS
Collector-emitter voltage (V_{BE}=0)	V_{CES}	800	900	V
Collector-emitter voltage (open base)	V_{CEO}	375	400	V
Emitter-base voltage (open collector)	V_{EBO}	10		V
Collector current	I_C	6		A
Collector current (peak)	I_{CM}	8		A
Base current	I_{BM}	3		A
Total power dissipation up to T_C=95ºC	P_{tot}	75		W
Junction temperature	T_J	200		ºC
Storage temperature	T_{stg}	-65 to 200		ºC

THERMAL RESISTANCE

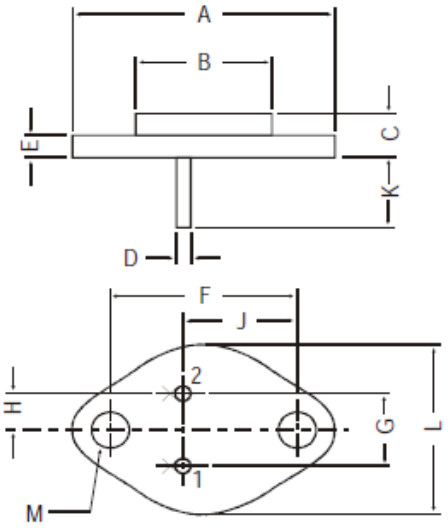
PARAMETER	SYMBOL	VALUE	UNITS
from junction to case	$R_{th\ J\text{-}C}$	2.33	ºC/W

ELECTRICAL CHARACTERISTICS (T_A=25ºC unless otherwise specified)

PARAMETER	SYMBOL	TEST CONDITIONS	BU326		BU326A		UNITS
			MIN	MAX	MIN	MAX	
Collector cut-off current	I_{CES}	V_{BE} = 0, V_{CE} = 800V	-	1.0	-	-	mA
		V_{BE} = 0, V_{CE} = 900V	-	-	-	1	
		V_{BE} = 0, V_{CE} = 800V, T_C=125ºC	-	2	-	-	
		V_{BE} = 0, V_{CE} = 900V, T_C=125ºC	-	-	-	2	
Collector -emitter sustaining voltage	$V_{CEO(sus)}$*	I_C=100mA, I_B=0	375	-	400	-	V
Collector -emitter voltage	V_{CES}	I_C=1mA, V_{BE} = 0	800	-	900	-	V
Emitter-base voltage	V_{EBO}	I_E=10mA, I_C=0	10	-	10	-	V
Collector-emitter saturation voltage	V_{CEsat}*	I_C= 2.5 A, I_B= 0.5 A	-	1.5	-	1.5	V
Base-emitter saturation voltage	V_{BEsat}*	I_C= 2.5 A, I_B= 0.5 A	-	1.4	-	1.4	V
Collector-emitter saturation voltage	V_{CEsat}*	I_C= 4 A, I_B= 1.25 A	-	3.0	-	3.0	V
Base-emitter saturation voltage	V_{BEsat}*	I_C= 4 A, I_B= 1.25 A	-	1.6	-	1.6	V
D.C. Current gain	h_{FE}*	I_C= 1 A , V_{CE}= 5V	typ. 25				

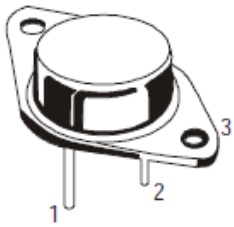
* Pulsed: pulse duration = 300 µs; duty cycle = 1.5%

TO-3 Metal Can Package



All dimensions in mm.

DIM	MIN.	MAX.
A	—	39.37
B	—	22.22
C	6.35	8.50
D	0.96	1.09
E	—	1.77
F	29.90	30.40
G	10.69	11.18
H	5.20	5.72
J	16.64	17.15
K	11.15	12.25
L	—	26.67
M	3.84	4.19



PIN CONFIGURATION
1. BASE
2. EMITTER
3. COLLECTOR

Packing Detail

PACKAGE	STANDARD PACK		INNER CARTON BOX		OUTER CARTON BOX		
	Details	Net Weight/Qty	Size	Qty	Size	Qty	Gr Wt
TO-3	100 pcs/pkt	1.3 kg/100 pcs	12.5" x 8" x 1.8"	0.1K	17" x 11.5" x 21"	2K	27.5 kgs

Customer Notes:

Component Disposal Instructions

1. CDIL Semiconductor Devices are RoHS compliant, customers are requested to please dispose as per prevailing Environmental Legislation of their Country.

2. In Europe, please dispose as per EU Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).

DISCLAIMER

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