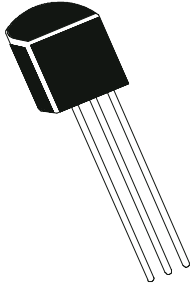


PNP EPITAXIAL PLANAR SILICON TRANSISTOR



**CSA1585BC
(9AW)
TO-92
BCE**

**Marking : CSA
1585
BC**

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

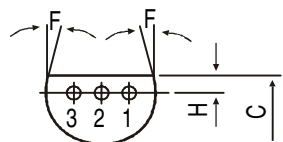
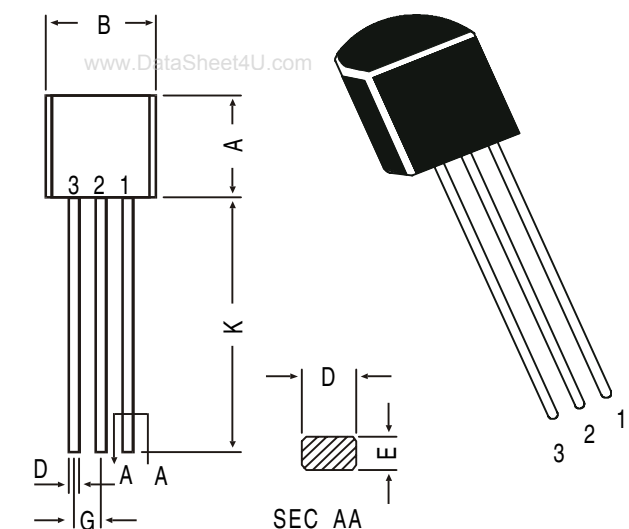
DESCRIPTION	SYMBOL	VALUE	UNIT
Collector -Base Voltage	BVCBO	40	V
Collector Emitter Voltage	BVCEO	20	V
Emitter Base Voltage	BVEBO	6.0	V
Collector Current	IC	2.0	A
Collector Current Peak	ICP*	5.0	A
Collector Power Dissipation	PC	0.4	W
Operating And Storage Junction Temperature Range	Tj, Tstg	-55 to +150	deg C

*Single Pulse Pw=10ms

ELECTRICAL CHARACTERISTICS (Ta=25 deg C Unless Otherwise Specified)

DESCRIPTION	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Collector Base Voltage	VCBO	IC=50uA, IE=0	40		-	V
Collector Emitter Voltage	VCEO	IC=1mA, IB=0	20		-	V
Emitter Base Voltage	VEBO	IE=50uA, IC=0	6.0		-	V
Collector Cut off Current	ICBO	VCB=30V, IE=0	-	-	0.1	uA
	ICEO	VCE=20V, IB=0			1.0	uA
Emitter Cut off Current	IEBO	VEB=5V, IC=0	-	-	0.1	uA
DC Current Gain	hFE	VCE=2V, IC=0.1A	180	-	390	
Collector Emitter Saturation Voltage	VCE(Sat)	IC=2A, IB=0.1A	-	-	1.0	V
Dynamic Characteristics						
Transition Frequency	ft	VCE=2V, IC=0.5A, f=100MHz	-	150	-	MHz
Collector Output Capacitance	Cob	VCB=10V, IE=0 f=1MHz	-	35	-	pF

TO-92 Plastic Package



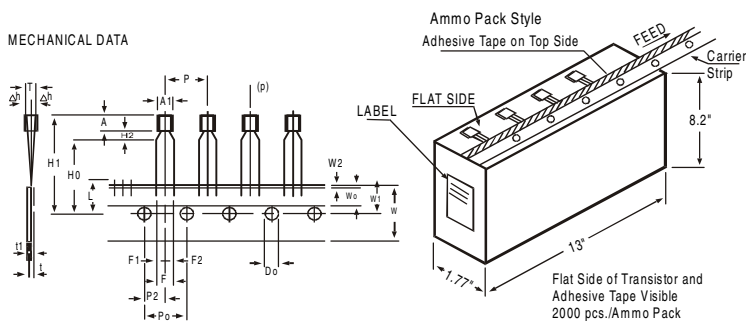
DIM	MIN.	MAX.
A	4.32	5.33
B	4.45	5.20
C	3.18	4.19
D	0.41	0.55
E	0.35	0.50
F	5 DEG	
G	1.14	1.40
H	1.14	1.53
K	12.70	—

All dimensions in mm.

PIN CONFIGURATION

1. BASE
2. COLLECTOR
3. EMITTER

TO-92 Transistors on Tape and Ammo Pack



All dimensions in mm unless specified otherwise

ITEM	SYMBOL	SPECIFICATION				REMARKS
		MIN.	NOM.	MAX.	TOL.	
BODY WIDTH	A1	4.0	4.8			
BODY HEIGHT	A	4.8	5.2			
BODY THICKNESS	T	3.9	4.2			
PITCH OF COMPONENT	P		12.7		±1	
FEED HOLE PITCH	Po		12.7		±0.3	CUMULATIVE PITCH ERROR 1.0 mm/20 PITCH
FEED HOLE CENTRE TO COMPONENT CENTRE	P2		6.35		±0.4	TO BE MEASURED AT BOTTOM OF CLINCH
DISTANCE BETWEEN OUTER LEADS	F		5.08		+0.6 -0.2	
COMPONENT ALIGNMENT	Δh		0	1		AT TOP OF BODY
TAPE WIDTH	W		18		±0.5	
HOLD-DOWN TAPE WIDTH	Wo		6		±0.2	
HOLE POSITION	W1		9		+0.7 -0.5	
HOLD-DOWN TAPE POSITION	W2		0.5		±0.2	
LEAD WIRE CLINCH HEIGHT	Ho		16		±0.5	
COMPONENT HEIGHT	H1			23.25		
LENGTH OF SNIPPED LEADS	L			11.0		
FEED HOLE DIAMETER	Do		4		±0.2	
TOTAL TAPE THICKNESS	t			1.2		t1 0.3 - 0.6
LEAD - TO - LEAD DISTANCE F1,	F2		2.54		+0.4 -0.1	
CLINCH HEIGHT	H2			3		
PULL - OUT FORCE	(P)		6N			

NOTES

1. MAXIMUM ALIGNMENT DEVIATION BETWEEN LEADS NOT TO BE GREATER THAN 0.2 mm.
2. MAXIMUM NON-CUMULATIVE VARIATION BETWEEN TAPE FEED HOLES SHALL NOT EXCEED 1 mm IN 20 PITCHES.
3. HOLDDOWN TAPE NOT TO EXCEED BEYOND THE EDGE(S) OF CARRIER TAPE AND THERE SHALL BE NO EXPOSURE OF ADHESIVE.
4. NO MORE THAN 3 CONSECUTIVE MISSING COMPONENTS ARE PERMITTED.
5. A TAPE TRAILER, HAVING AT LEAST THREE FEED HOLES ARE REQUIRED AFTER THE LAST COMPONENT.
6. SPLICES SHALL NOT INTERFERE WITH THE SPROCKET FEED HOLES.

Packing Detail

PACKAGE	STANDARD PACK		INNER CARTON BOX		OUTER CARTON BOX		
	Details	Net Weight/Qty	Size	Qty	Size	Qty	Gr Wt
TO-92 Bulk	1K/polybag	200 gm/1K pcs	3" x 7.5" x 7.5"	5.0K	17" x 15" x 13.5"	80.0K	23 kgs
TO-92 T&A	2K/ammo box	645 gm/2K pcs	12.5" x 8" x 1.8"	2.0K	17" x 15" x 13.5"	32.0K	12.5 kgs

Notes

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Disclaimer

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