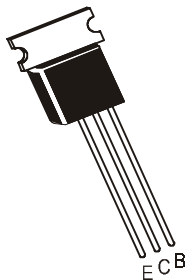


NPN SILICON HIGH VOLTAGE TRANSISTOR

CSC2330
TO-237
BCE



Intended For Video Output Stages In Black & White in Colour Television Receivers

ABSOLUTE MAXIMUM RATINGS

DESCRIPTION	SYMBOL	VALUE	UNIT
Collector -Base Voltage	VCBO	300	V
Collector -Emitter Voltage	VCEO	300	V
Emitter Base Voltage	VEBO	7.0	V
Collector Current Continuous	IC	100	mA
Power Dissipation @ Ta=25 deg C	PD	1.0	W
Operating And Storage Junction Temperature Range	Tj, Tstg	-55 to +150	deg C
Thermal Resistance Junction to Ambient	Rth (j-a)	130	deg C/W

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

DESCRIPTION	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Collector -Base Voltage	VCBO	IC=100uA, IE=0	300	-	-	V
Collector -Emitter Voltage	VCEO	IC=5mA, IB=0	300	-	-	V
Emitter Base Voltage	VEBO	IE=100uA, IC=0	7.0	-	-	V
Collector Cut off Current	ICBO	VCB=200V, IE=0	-	-	100	nA
Emitter Cut off Current	IEBO	VEB=3V, IC=0	-	-	20	nA
DC Current Gain	hFE	IC=20mA, VCE=10V	40	-	240	
Collector Emitter Saturation Voltage	VCE(Sat)	IC=10mA, IB=1mA	-	-	0.5	V

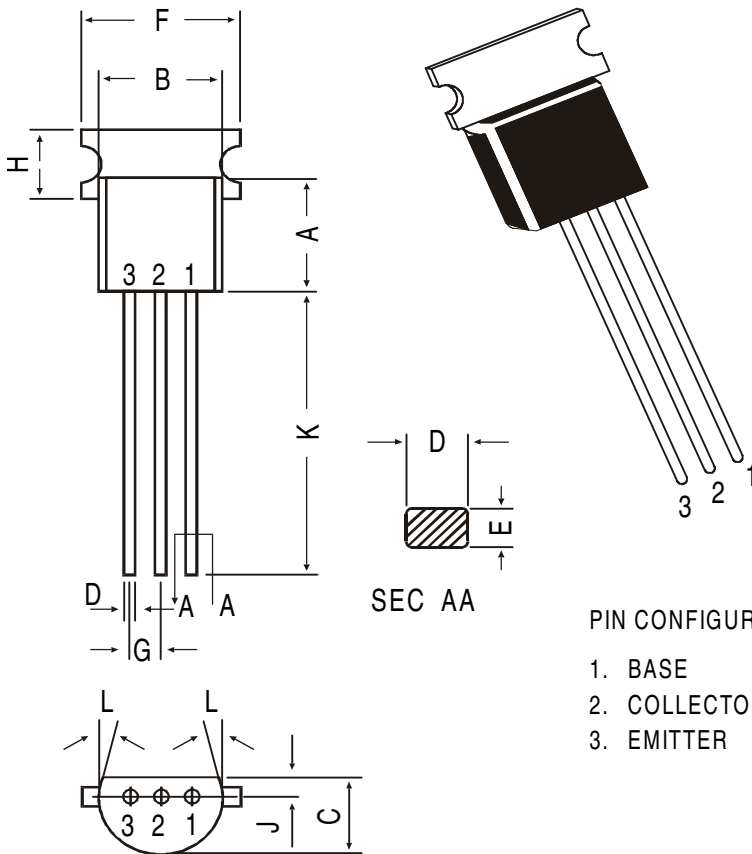
Dynamic Characteristics

Gain Bandwidth Product	ft	VCE=30V, IC=10mA,	-	50	-	MHz
Output Capacitance	Cob	VCB=10V, IE=0	-	4.0	-	pF
		f=1MHz	-	-	-	pF

CLASSIFICATION

	R	O	Y
hFE	40-80	70-140	120-240

TO-237 Plastic Package



All dimensions in mm.

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	—	5.40
G	1.14	1.40
H	—	2.54
K	12.70	—
L	5 DEG	
J	1.14	1.53

PIN CONFIGURATION

1. BASE
2. COLLECTOR
3. EMITTER

Packing Detail

PACKAGE	STANDARD PACK		INNER CARTON BOX		OUTER CARTON BOX		
	Details	Net Weight/Qty	Size	Qty	Size	Qty	Gr Wt
TO-237 Bulk	1K/polybag	240 gm/1K pcs	3" x 7.5" x 7.5"	5.0K	17" x 15" x 13.5"	80.0K	26.2 kgs
TO-237 T&A	2K/ammo box	725 gm/2K pcs	12.5" x 8" x 1.8"	2.0K	17" x 15" x 13.5"	32.0K	13.8 kgs

Disclaimer

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