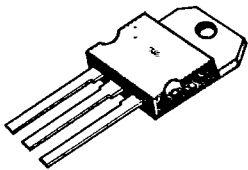


SEMELAB

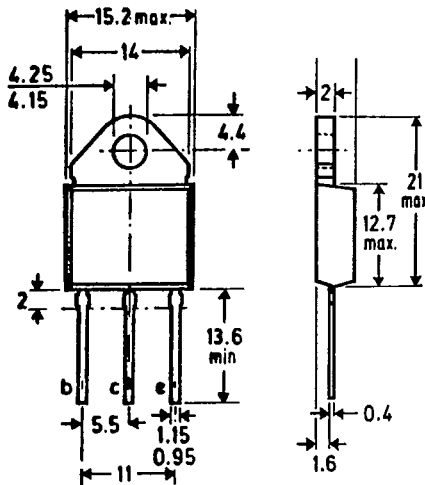
T-33-11



JUN 29 1987

SMLB

In.

BUP32**MECHANICAL DATA****SILICON NPN
EPITAXIAL PLANAR****FEATURES**

- Very low saturation resistance
33 milli Ohm max.
- High gain at high current
- Very fast switching
- PNP complement BUP33

SOT-93

ABSOLUTE MAXIMUM RATINGS AT 25°C

VCBO	60	Volts
VCEO	30	Volts
VEBO	6	Volts
I _C PK	30	Amps
P _T	60	Watts
T _j	150	°C
Tstg	-55 + 150	°C

JAN 1986

8001-0112 Editor *gjm*

CHARACTERISTICS AT 25°C

		MIN.	TYP.	MAX.	UNITS
I_{CBO}	$V_{CBO} = 40$ Volts			100	Micro Amps
I_{EBO}	$V_{EB} = 4$ Volts			100	Micro Amps
h_{FE1}	$I_C = 1$ Amp $V_{CE} = 2$ Volts	70		300	
h_{FE2}	$I_C = 30$ Amps $V_{CE} = 5$ Volts	50		200	
$V_{CE} (sat)$	$I_C = 30$ Amps $I_B = 1$ A			1	Volts
$V_{BE} (sat)$	$I_C = 30$ Amps $I_B = 1$ A			1.2	Volts
f_T	$I_C = 1$ Amp $V_{CE} = 5$ Volts		120		MHz
t_f	$I_C = 10$ Amps $= 20 I_{B1} = -20 I_{B2}$		30		ns
I_{SB1}	$V_{CE} = 10$ Volts $t = 1$ m sec	20			Amps