

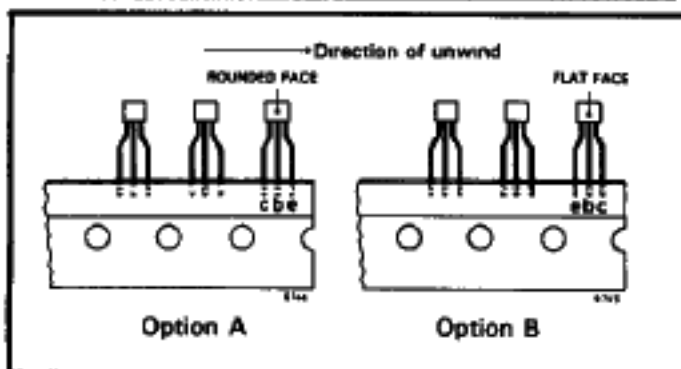
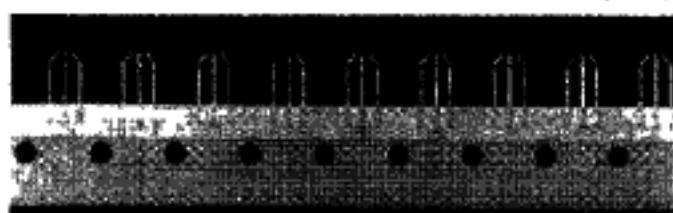
TABLE 1: NPN GENERAL PURPOSE

The devices shown in this table are general purpose transistors designed for small signal amplification from d.c. to radio frequencies. Typical application areas include: AUDIO FREQUENCY AMPLIFIERS, DRIVERS and OUTPUT STAGES, OSCILLATORS, AND GENERAL PURPOSE SWITCHES.

ZETEX SEMICONDUCTORS

Type	V _{CB0} V	V _{CE0} V	Max I _C mA	Max V _{CE(sat)} at			h _{FE} at			Min f _T at		P _{tot} at T _{amb} = 25°C mW	Complement
				V	I _C mA	I _B mA	Min	Max	I _C mA	MHz	I _C mA		
BC546P	80	65	200	0.25	10	0.5	75	200	2	300*	10	500	BC556P
ZTX304	70	70	500	0.35	50	5	50	300	10	150	10	300	ZTX504
BC182P	60	50	200	0.25	10	0.5	100	480	2	150	10	300	BC212P
ZTX107	60	50	100	0.1*	10	1	125	500	2	350*	10	300	ZTX212
BC547P	50	45	200	0.25	10	0.5	75	450	2	300*	10	500	BC557P
BC107P	50	45	200	0.2	10	0.5	120	460	2	150	10	300	BC177P
BC237P	50	45	200	0.2	10	0.5	120	460	2	150	10	300	BC307P
ZTX237	50	45	200	0.25	10	0.5	120	460	2	150	10	300	ZTX212
ZTX303	45	45	500	0.35	50	5	50	300	10	150	10	300	ZTX503
ZTX238	45	30	200	0.25	10	0.5	120	800	2	150	10	350	ZTX213
BC183P	45	30	200	0.25	10	0.5	100	850	2	150	10	300	BC213P
ZTX108	45	30	100	0.1*	10	1	125	900	2	350*	10	300	ZTX213
ZTX302	35	35	500	0.25	50	5	100	300	10	150	10	300	ZTX502
ZTX301	35	35	500	0.25	50	5	50	300	10	150	10	300	ZTX501
BC548P	30	30	200	0.25	10	0.5	75	800	2	300*	10	500	BC558P
BC108P	30	20	200	0.2	10	0.5	120	800	2	150	10	300	BC178P
BC238P	30	20	200	0.2	10	0.5	120	800	2	150	10	300	BC308P
ZTX300	25	25	500	0.35	10	1	50	300	10	150	10	300	ZTX500
MPSA20	40	40	100	0.25	10	1	40	400	5	125	5	500	—

*Typical



M1 IN TAPE FOR SURFACE MOUNTING



TAPE FEATURE

- Each reel or box
- No more than 2
- Minimum of 5 vias
- Available with e

To order E-Line trans
format should be us

- (a) Suffix 'STO' for pr
- (b) Orientation (opti
- e.g. ZTX650 ST
- (c) Suffix 'STZ' for
- (ammo pack).



TAPE FEATURE

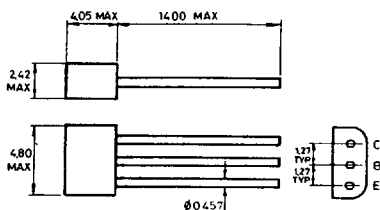
- 13" reel contain
- 7" reel contain
- Devices contain

To order E-Line M1

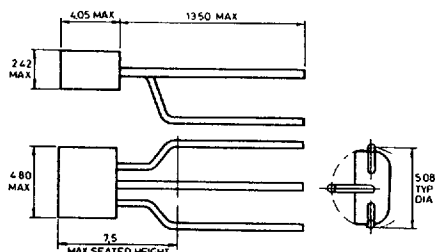
- (a) 7" reels - Suffix
- e.g. ZTX651 M1
- (b) 13" reels - Suffix
- e.g. ZTX651 M1

E-LINE (TO-92 STYLE) PACKAGE OUTLINES

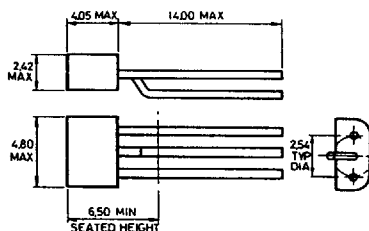
Devices can be ordered with the following lead configurations by adding the indicated suffix to the part number.



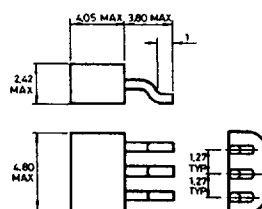
STANDARD PACKAGE
BS 3934 SO-94



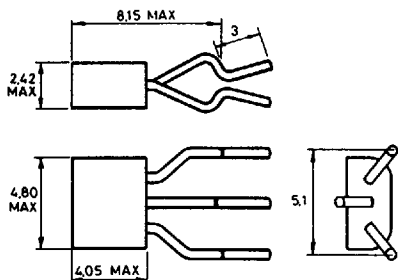
SUFFIX 'K' LEAD FORMATION
for TO-5 and TO-39 compatibility
BS 3934 SO-95



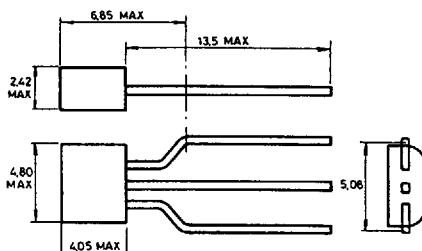
SUFFIX 'L' LEAD FORMATION
for TO-18 compatibility
BS 3934 SO-97



SUFFIX 'M1' LEAD FORMATION
for flat mounting
BS 3934 SO-96



SUFFIX 'Q' LEAD FORMATION
(Lockfit)



SUFFIX 'S' LEAD FORMATION

Dimensions in millimetres

The 'S' type lead formation is pin compatible with the popular TO-202 plastic power transistor.