

ZETEX SEMICONDUCTORS

TABLE 6 : PNP LOW NOISE

The transistors in this table are characterised for low noise, low level amplification and are ideally suited for audio pre-amplifiers as well as universal applications.

T-27-01

Type	V _{CEO} V	Max I _C mA	Max V _{CE(sat)} at			h _{FE} at			Min f _T at		N dB	Max. Noise Figure at		Complement
			V	I _C mA	I _B mA	Min	Max	I _C mA	MHz	I _C mA		I _C μA	f Hz	
BCY77P	60	100	0.25	10	0.25	120	460	2	180*	10	6	200	1k	BCY65EP
2N5086	50	50	0.3	10	1	150	500	0.1	40	0.5	3	200	30-15k	2N5209
2N5087	50	50	0.3	10	1	250	800	0.1	40	0.5	2	200	30-15k	2N5210
ZTX531	45	500	0.7	10	0.5	40	120	0.1	30	0.5	3*	100	1k	ZTX331
BCY71P	45	200	0.5	50	5	100	400	10	15	0.1	2	100	30-15k	-
BC560P	45	200	0.25	10	0.5	110	800	2	300*	10	2	200	30-15k	BC550P
BCY79P	45	200	0.25	10	0.25	120	460	2	180*	10	6	200	1k	BCY59P
BC416P	45	100	0.3	10	0.5	110	800	2	200*	10	2	200	30-15k	BC414P
BCY70P	40	200	0.5	50	5	100	-	10	250	10	6	100	30-15k	-
2N3906	40	200	0.25	10	1	100	300	10	250	10	4	200	30-15k	2N3904
2N3905	40	200	0.25	10	1	50	150	10	200	10	5	200	30-15k	2N3903
BCY78P	32	200	0.25	10	0.25	120	630	2	180*	10	6	200	1k	BCY58P
ZTX530	30	500	0.7	10	0.5	100	400	0.1	30	0.5	3*	100	1k	ZTX330
ZTX214	30	200	0.25	10	0.5	140	550	2	200	10	2	200	30-15k	ZTX109
BC559P	30	200	0.25	10	0.5	110	800	2	300*	10	4	200	30-15k	BC549P
2N4125	30	200	0.4	50	5	50	150	2	200	10	5	200	30-15k	2N4123
BC214P	30	200	0.6	100	5	140	600	2	200	10	2	200	30-15k	BC184P
BC415P	30	100	0.3	10	0.5	110	800	2	200*	10	2	200	30-15k	BC413P
BCY72P	25	200	500	50	5	100	-	10	250	10	6	100	30-15k	-
2N4126	25	200	0.4	50	5	120	360	2	250	10	4	200	30-15k	2N4124
BC179P	20	50	0.2	10	0.5	180	800	2	130*	10	4	200	30-15k	BC109P
BC309P	20	50	0.2	10	0.5	180	800	2	130*	10	4	200	30-15k	BC239P

*Typical.

E-LINE TAPED PRODUCT

ZETEX SEMICONDUCTORS

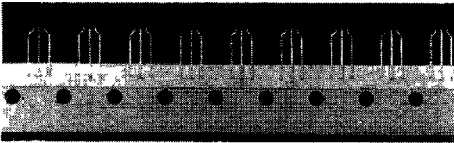
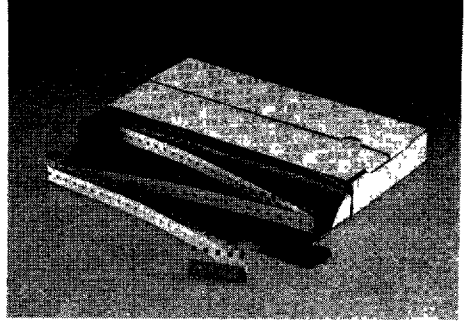
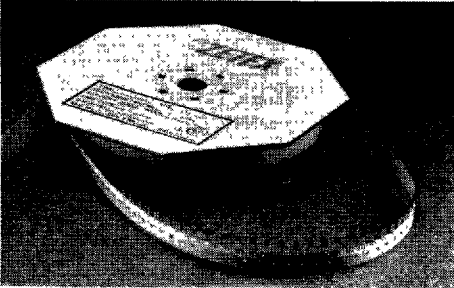
T-91-20

RADIAL TAPE FOR AUTOMATIC INSERTION

Two types are available.

(a) The tape, bearing the devices, is wound on a reel and supplied in a cardboard box.

(b) The tape, bearing the devices, is folded in a concertina (or Z) form and supplied in a cardboard box (ammo pack).

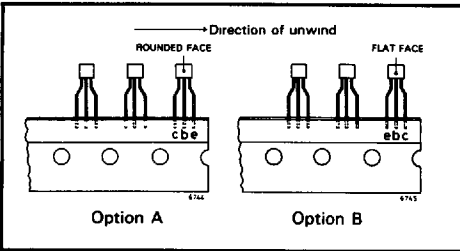


TAPE FEATURES

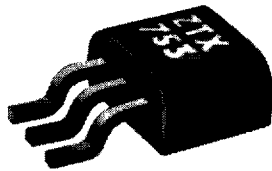
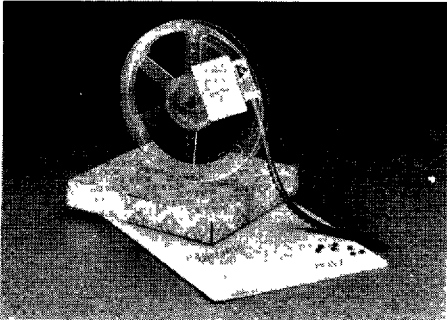
- Each reel or box contains 2000 devices.
- No more than 2 consecutive vacant spaces on the tape.
- Minimum of 5 vacant spaces at beginning and end of tape.
- Available with choice of orientation.

To order E-Line transistors on tape, the following format should be used.

- Suffix 'STO' for product taped and put on reels.
- Orientation (option A or B).
e.g. ZTX650 STO.A.
- Suffix 'STZ' for product taped and folded (ammo pack).



M1 IN TAPE FOR SURFACE MOUNTING



TAPE FEATURES

- 13" reel contains 3000 devices
- 7" reel contains 500 devices
- Devices contained in anti-static tape.

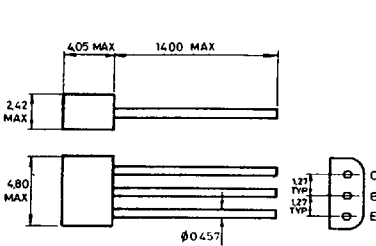
To order E-Line M1 transistors on tape.

- 7" reels - Suffix device type with M1TA
e.g. ZTX651 M1TA
- 13" reels - Suffix device type with M1TC
e.g. ZTX651 M1TC

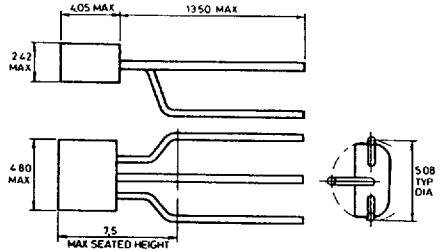


E-LINE (TO-92 STYLE) PACKAGE OUTLINES

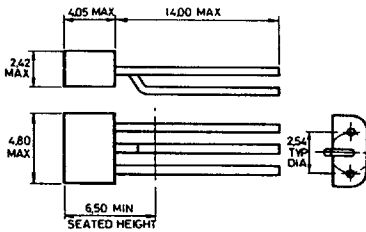
Devices can be ordered with the following lead configurations by adding the indicated suffix to the part number.



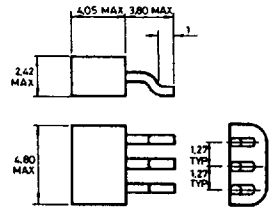
**STANDARD PACKAGE
BS 3934 SO-94**



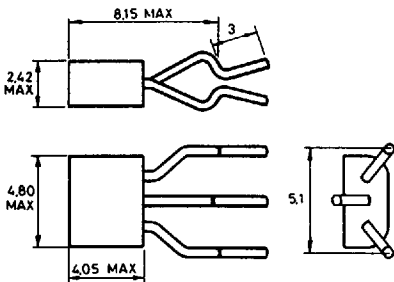
**SUFFIX 'K' LEAD FORMATION
for TO-5 and TO-39 compatibility
BS 3934 SO-95**



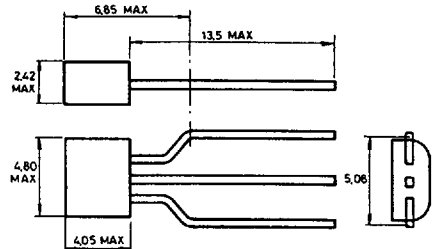
**SUFFIX 'L' LEAD FORMATION
for TO-18 compatibility
BS 3934 SO-97**



**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.