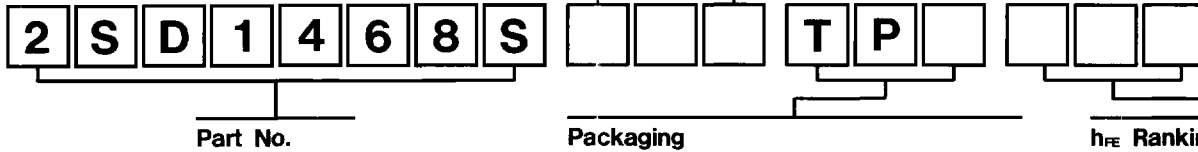


●Product Designation

- When ordering, specify the type.
- Check each code against the tables shown below.
- Fill a space with the next character.

Special code

- Omit for standard product.
- Factory assigned for custom product.



Packaging

Package	Code	Package specifications	Quantity / Package
TO-92	T93	Ammo box	3,000
	None	Bulk	1,000
SPT	TP	Ammo box	5,000
	None	Bulk	2,000

h_{FE} Ranking code

Input h_{FE} rank signal display
 One rank preferred ☒ Q ☐
 Multiple rank preferred ☒ Q ☒ S
 (Min., Max. is displayed)

Code	h _{FE} Range
L	27~56
M	39~82
N	56~120
P	82~180
Q	120~270
R	180~390
S	270~560
E	390~820
U	560~1200
V	820~1800
W	1200~2700
A	1k~
B	5k~
C	10k~

(Unit : mm)

TO-92	SPT
(1) Emitter (2) Collector (3) Base	(1) Emitter (2) Collector (3) Base

Magazine taping type : lead formed as shown below.

●Packaging Specifications

(Unit : mm)

TO-92 • SPT Taping

Technical drawing showing dimensions for TO-92 and SPT components. The main drawing shows three components (TO-92, TO-92, and SPT) mounted on a carrier tape. Dimensions include: A (pitch), P₁ (pitch), P (pitch), Δh₁ (height difference), B (height), Δh (height), C (height), H (height), H₀ (height), W₁ (width), W₀ (width), W (width), D₀ (hole diameter), P₀ (pitch), F₀ (flange), F₁ (flange), d (hole diameter), and t (thickness). A detail view shows the carrier tape with dimensions B, Δh, and L₅Max.

Code	TO-92	SPT
A	4.8±0.2	4.0±0.2
B	3.7±0.2	2.0±0.2
C	2.5Min.	3.0Min.
H	5.2Max.	3.0±0.2
d	0.5±0.1	0.45 ^{+0.15} _{-0.05}
P	12.7±0.5	12.7±1.0
P ₀	12.7±0.3	12.7±0.2
D ₀	φ4.0±0.2	φ4.0±0.2
P ₁	6.35±0.5	6.35±0.5
F ₀	5.0 ^{+0.6} _{-0.2}	5.0 ^{+0.6} _{-0.2}
F ₁	2.5 ^{+0.3} _{-0.1}	2.5 ^{+0.4} _{-0.1}
W	18.0 ^{+1.0} _{-0.5}	18.0 ^{+1.0} _{-0.1}
H ₀	16.0±0.5	16.0±0.5
W ₀	6.0±0.5	6.0±0.5
W ₁	9.0±0.5	9.0±0.5
P ₂₀	1.0Max.	1.0Max.
Δh	0±1.0	0±1.0
Δh ₁	0±0.5	0±1.0
t	0.7±0.2	0.7±0.2

TO-92 • SPT Ammo box

Technical drawing showing dimensions for TO-92 and SPT Ammo box. Dimensions include: W (width), H (height), and D (depth).

	W	H	D
TO-92	340	262	40
SPT	330	232	40