

Lead-Free Surface Mount Transistors

SOT package is a rectangular surface mount transistor diode with three or more gull-wing leads. The leads are on the two length sides of the package. SOT packages are JEDEC compliant. Popular sizes are the SOT23, DPAK, SOT223 and SOT89.



For kits see pages 88, 92, 96, 98, 103, 104, 106 and 109.

SMT Surface Mount Transistors

Part Description	Number of Pins	Body Size "W"	Body Leads "L"	SC Device	Tape Width	Tape Pitch	Quantity Per Reel
SC90-TR-Sn	3	1.6mm	1.6mm	SC-75A	8mm	4mm	3,000
SOT323-TR-Sn	3	2.0mm	2.1mm	SC-70	8mm	4mm	3,000
SOT353-TR-Sn	5	2.0mm	2.1mm	SC-88A / SOT325	8mm	4mm	3,000
SOT363-TR-Sn	6	2.0mm	2.1mm	SC-88 / SOT326	8mm	4mm	3,000
SOT23-TR-Sn	3	2.9mm	2.4mm	TO-236AB	8mm	4mm	3,000
SOT25-TR-Sn	5	2.9mm	2.8mm	SC-74A	8mm	4mm	3,000
SOT26-TR-Sn	6	2.9mm	2.8mm	SC-74	8mm	4mm	3,000
SOT143-TR-Sn	4	2.9mm	2.5mm	TO-253AA	8mm	4mm	3,000
SOT89-TR-Sn	3	4.5mm	4.0mm	SC-62 / TO-243AA	12mm	8mm	1,000
SOT223-TR-Sn	3	6.5mm	7.0mm	SC-73 / TO-261AA	12mm	8mm	1,000
DPAK-TR-Sn		6.5mm	9.5mm	SC-63 / TO-252-AA	16mm	8mm	2,500
D2PAK-TR-Sn		10.0mm	15.2mm	TO-263AB	24mm	12mm	800/1,000

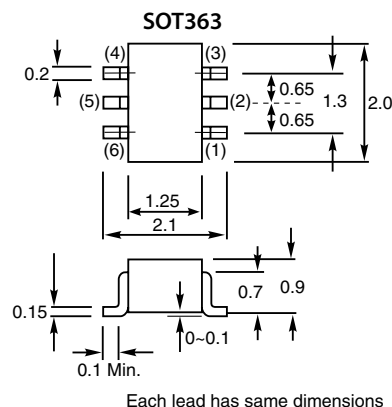
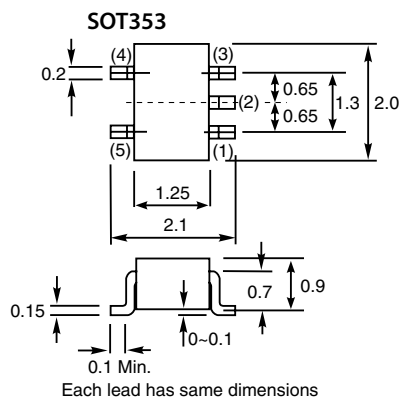
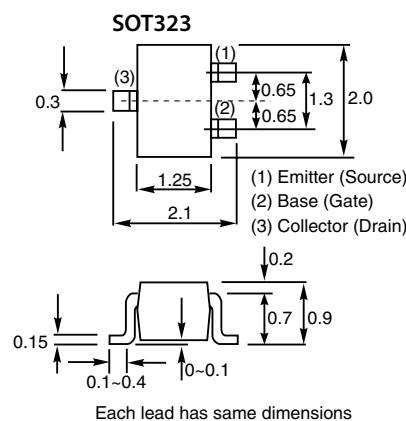
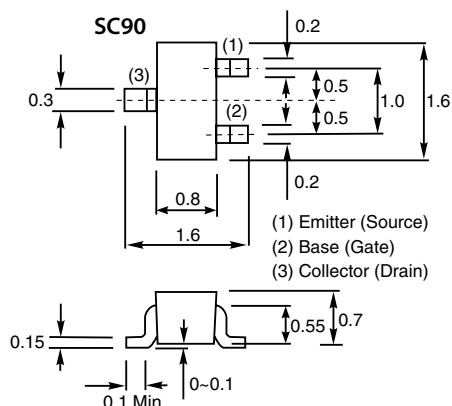
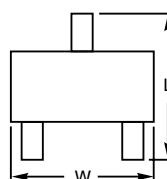
Notes

- Carrier pack is plastic for surface mount transistors.
- Tape type is plastic.
- Parts only available on Tape and Reel.
- Tin-Lead solder plating available upon request based on availability.
- Lead-free available with 100% Sn alloy.



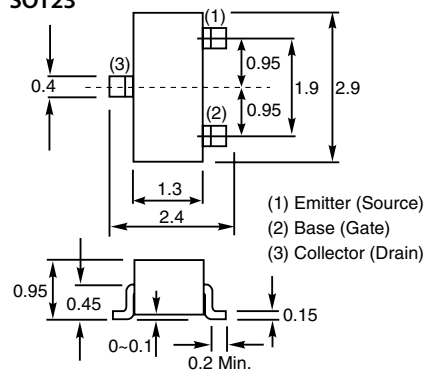
Part Description System

Transistor Package — SOT326-TR — Packaging

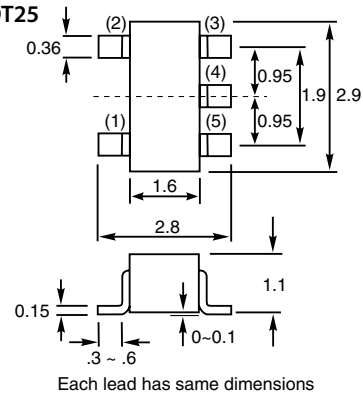


Lead-Free Surface Mount Transistors

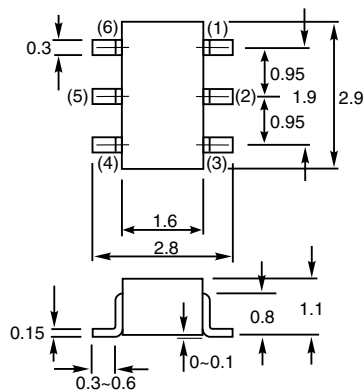
SOT23



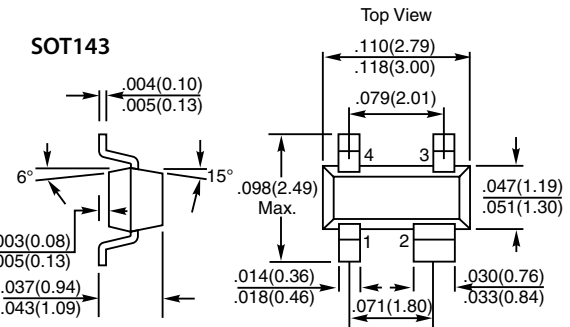
SOT25



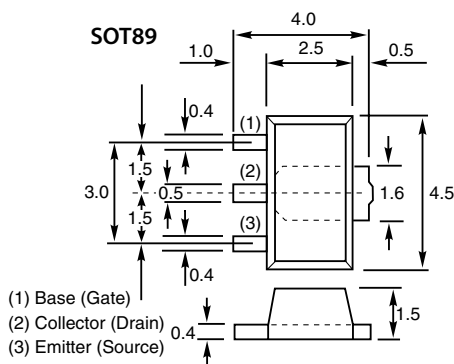
SOT26



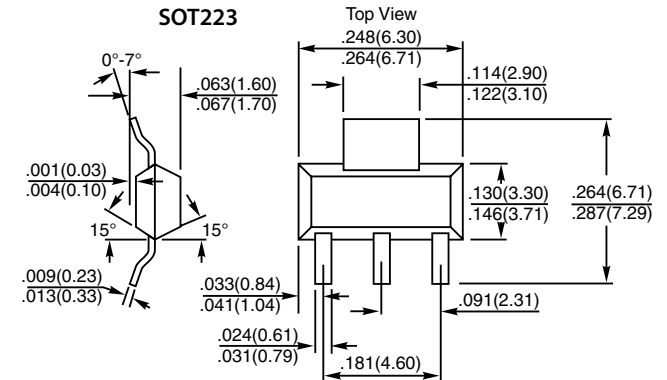
SOT143



SOT89



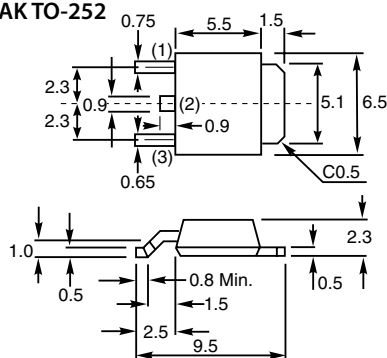
SOT223



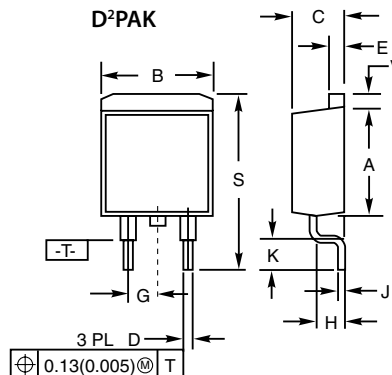
Notes:

1. Dimensioning and tolerancing per ANSI Y14.5M, 1982.
2. Controlling Dimension: Inch.

DPAK TO-252



D²PAK



Dim.	Inches		Millimeters	
	Min.	Max.	Min.	Max.
A	0.340	0.380	8.64	9.65
B	0.380	0.405	9.65	10.29
C	0.160	0.190	4.06	4.83
D	0.020	0.035	0.51	0.89
E	0.045	0.055	1.14	1.40
G	0.100 BSC		2.54 BSC	
H	0.080	0.110	2.03	2.79
J	0.018	0.025	0.46	0.64
K	0.090	0.110	2.29	2.79
S	0.575	0.625	14.60	15.88
V	0.045	0.055	1.14	1.40