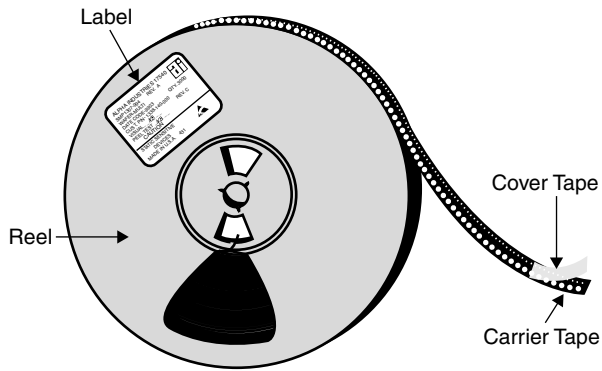
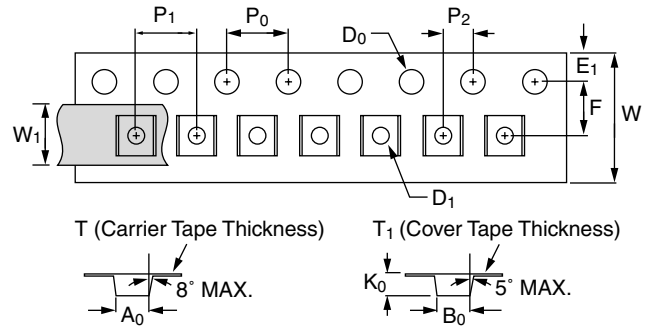


Discrete Devices and IC Switch/Attenuators Tape and Reel Package Orientation



Tape Dimensions



Description	Sym.	Chip Scale	SC-79	SOD-323	SC-70	SC-88	SOT-23	SOT-143	SOT-5
Cavity									
Length	A_0	0.65±0.05	0.90±0.05	1.45±0.10	2.25±0.10	2.25±0.10	3.15±0.10	3.099±0.10	3.15±0.10
Width	B_0	0.76±0.05	1.40±0.05	3.20±0.10	2.70±0.10	2.70±0.10	3.20±0.10	2.692±0.10	3.20±0.10
Depth	K_0	0.53±0.05	0.73±0.05	1.35±0.10	0.53±0.05	1.19±0.10	1.40±0.10	1.295±0.10	1.40±0.10
Pitch	P_1	2.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10
Bottom Hole Diameter	D_1	N/A	0.50±0.05	1.00±0.10	0.50±0.05	1.00±0.10	1.00±0.10	1.00±0.10	1.00±0.10
Perforation									
Diameter	D_0	1.50±0.10	1.50±0.10	1.50±0.10	1.50±0.10	1.50±0.10	1.55±0.05	1.50±0.10	1.50±0.10
Pitch	P_0	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10
Position	E_1	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10
Carrier Tape									
Width	W	8.00±0.20	8.00±0.20	8.00±0.20	8.00±0.10	8.00±0.30	8.00±0.30	8.00±0.10	8.00±0.30
Thickness	T	0.43±0.05	0.180±0.02	0.254±0.013	0.30±0.05	0.254±0.013	0.254±0.013	0.254±0.013	0.20±0.03
Cover Tape									
Width	W_1	5.40±0.10	5.40±0.10	5.40±0.10	5.40±0.10	5.40±0.10	5.40±0.10	5.40±0.10	5.40±0.10
Tape Thickness	T_1	0.062±0.01	0.062±0.01	0.062±0.01	0.062±0.01	0.062±0.01	0.062±0.01	0.062±0.01	0.062±0.01
Distance									
Cavity to Perforation (Width Direction)	F	3.50±0.05	3.50±0.05	3.50±0.05	3.50±0.05	3.50±0.05	3.50±0.05	3.50±0.05	3.50±0.05
Cavity to Perforation (Length Direction)	P_2	1.00±0.025	2.00±0.05	2.00±0.05	2.00±0.05	2.00±0.05	2.00±0.05	2.00±0.05	2.00±0.05

Note: All dimensions are in mm.

Discrete Devices and IC Switch/Attenuators Tape and Reel Package Orientation

Description	Sym.	SOT-6	SOIC-8	MSOP-8	PLCC-28	QFN 2 X 3	QFN 3 x 3	QFN 4 x 4	QFN 5 x 5
Cavity									
Length	A ₀	3.15±0.10	6.70±0.10	5.20±0.10	13.0±0.10	2.20±0.10	3.30±0.10	4.35±0.10	5.25±0.10
Width	B ₀	3.20±0.10	5.40±0.10	3.30±0.10	13.0±0.10	3.20±0.10	3.30±0.10	4.35±0.10	5.25±0.10
Depth	K ₀	1.40±0.10	2.00±0.10	1.60±0.10	4.90±0.10	1.10±0.10	1.10±0.10	1.10±0.10	1.10±0.10
Pitch	P ₁	4.00±0.10	8.15±0.02	8.00±0.10	12.0±0.10	4.00±0.10	8.00±0.10	8.00±0.10	8.00±0.10
Bottom Hole Diameter	D ₁	1.00±0.10	1.60±0.02	1.00±0.10	1.60±0.02	1.50±0.10	1.00±0.10	1.00±0.10	1.00±0.10
Perforation									
Diameter	D ₀	1.50±0.10	1.60±0.03	1.50±0.10	1.60±0.03	1.50±0.10	1.50±0.10	1.50±0.10	1.50±0.10
Pitch	P ₀	4.00±0.10	3.75±0.02	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10
Position	E ₁	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10
Carrier Tape									
Width	W	8.00±0.30	12.00±0.30	12.00±0.30	24.00±0.30	12.00±0.30	12.00±0.30	12.00±0.30	12.00±0.30
Thickness	T	0.20±0.03	0.30±0.05	0.30±0.013	0.30±0.005	0.30±0.05	0.30±0.05	0.30±0.05	0.30±0.05
Cover Tape									
Width	W ₁	5.40±0.10	9.20±0.10	9.20±0.10	18.50±0.10	9.20±0.10	9.20±0.10	9.20±0.10	9.20±0.10
Tape Thickness	T ₁	0.062±0.01	0.062±0.01	0.062±0.01	0.062±0.01	0.051±0.01	0.051±0.01	0.051±0.01	0.051±0.01
Distance									
Cavity to Perforation (Width Direction)	F	3.50±0.05	3.50±0.05	5.60±0.05	11.50±0.10	5.50±0.05	5.50±0.10	5.50±0.10	5.50±0.10
Cavity to Perforation (Length Direction)	P ₂	2.00±0.05	2.00±0.05	4.00±0.05	2.00±0.05	2.00±0.05	2.00±0.05	2.00±0.05	2.00±0.05

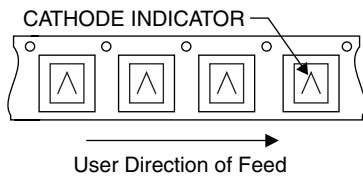
Note: All dimensions are in mm.

Discrete Devices and IC Switch/Attenuators Tape and Reel Package Orientation

Description	Sym.	TSSOP-16	SOIC-14	SOIC-16	SSOP-16	SSOP-20	LGA-4	LGA-6	LGA-16
Cavity									
Length	A ₀	6.80±0.10	6.50±0.10	6.50±0.10	6.70±0.10	8.20±0.10	1.57±0.10	1.40±0.10	8.40±0.10
Width	B ₀	5.40±0.10	9.00±0.10	10.30±0.10	5.40±0.10	7.60±0.10	1.38±0.10	1.70±0.10	10.70±0.10
Depth	K ₀	1.60±0.10	2.10±0.10	2.10±0.10	2.10±0.10	3.00±0.10	1.00±0.10	1.00±0.10	2.40±0.10
Pitch	P ₁	8.00±0.10	8.00±0.10	8.00±0.10	8.15±0.02	12.00±0.10	4.00±0.10	4.00±0.10	16.00±0.10
Bottom Hole Diameter	D ₁	1.60±0.10	1.60±0.10	1.60±0.10	1.60±0.02	1.60±0.10	0.60±0.10	1.00±0.10	1.60±0.20
Perforation									
Diameter	D ₀	1.50±0.10	1.55±0.10	1.55±0.10	1.60±0.03	1.50±0.10	1.50±0.10	1.50±0.10	1.60±0.03
Pitch	P ₀	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10	4.00±0.10
Position	E ₁	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10	1.75±0.10
Carrier Tape									
Width	W	12.0±0.30	16.00±0.30	16.00±0.30	12.0±0.30	16.00±0.30	8.00±0.30	8.00±0.30	16.00±0.30
Thickness	T	0.30±0.05	0.30±0.05	0.30±0.05	0.30±0.05	0.30±0.05	0.30±0.05	0.30±0.05	0.30±0.05
Cover Tape									
Width	W ₁	9.20±0.10	13.30±0.10	13.30±0.10	9.20±0.10	13.30±0.10	5.40±0.10	5.40±0.10	13.30±0.10
Tape Thickness	T ₁	0.062±0.01	0.062±0.01	0.062±0.01	0.062±0.01	0.062±0.01	0.062±0.10	0.062±0.10	0.062±0.01
Distance									
Cavity to Perforation (Width Direction)	F	7.50±0.10	7.50±0.10	7.50±0.05	3.50±0.05	7.50±0.05	3.50±0.05	3.50±0.05	7.50±0.10
Cavity to Perforation (Length Direction)	P ₂	2.00±0.1	2.00±0.10	2.00±0.10	2.00±0.05	2.00±0.10	2.00±0.10	2.00±0.05	2.00±0.10

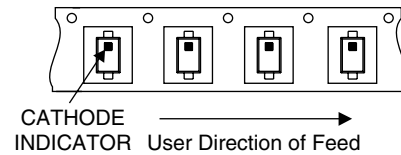
Note: All dimensions are in mm.

Chip Scale



Standard Reel Size	7"
Standard Reel Quantity	N/A

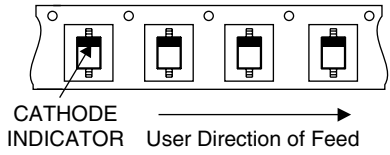
SC-79



Standard Reel Size	7"	13"
Standard Reel Quantity*	3,000	12,000

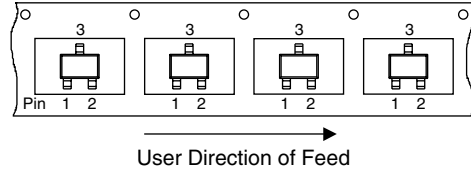
*Available through distribution.

SOD-323



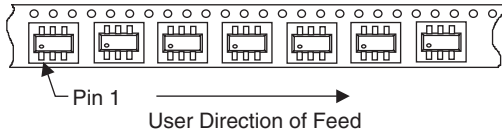
Standard Reel Size	7"	13"
Standard Reel Quantity	3,000	12,000

SC-70



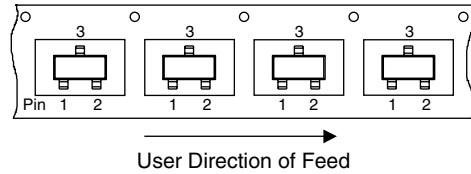
Standard Reel Size	7"	13"
Standard Reel Quantity	3,000	12,000

SOT-6 and SC-88



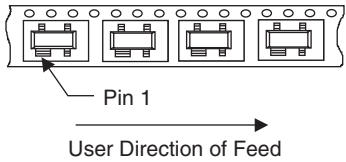
Standard Reel Size	7"	13"
Standard Reel Quantity	3,000	12,000

SOT-23



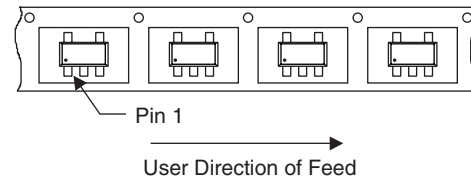
Standard Reel Size	7"	13"
Standard Reel Quantity	3,000	12,000

SOT-143



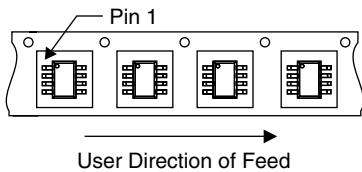
Standard Reel Size	7"	13"
Standard Reel Quantity	3,000	12,000

SOT-5



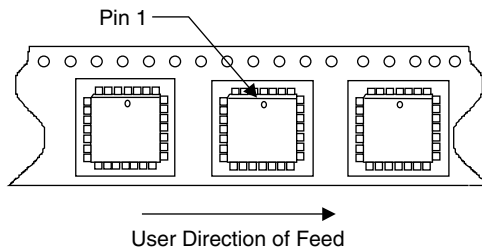
Standard Reel Size	7"	13"
Standard Reel Quantity	3,000	12,000

MSOP-8 and SOIC-8



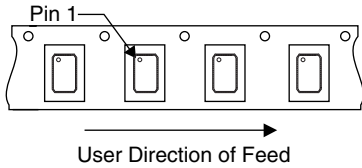
Standard Reel Size	7"	13"
Standard Reel Quantity	1,000	3,000

28 Lead PLCC



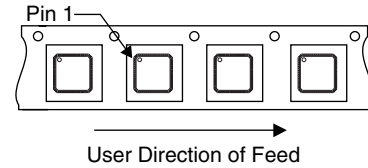
Standard Reel Size	7"	13"
Standard Reel Quantity	N/A	1,500

QFN (2 x 3)



Standard Reel Size	7"	13"
Standard Reel Quantity	1,000	3,000

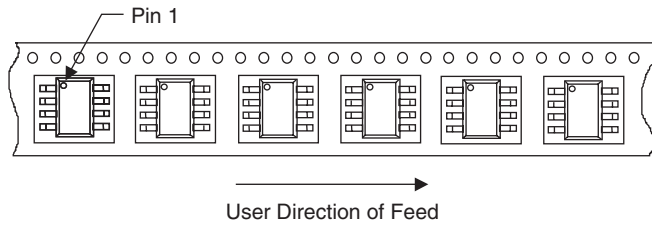
QFN (3 x 3), (4 x 4) and (5 x 5)



Standard Reel Size	7"	13"
Standard Reel Quantity	1,000	3,000

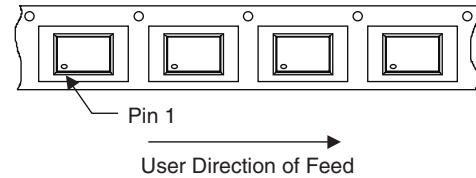
SOIC, MSOP, QSOP, SSOP and TSSOP Devices

8, 10, 14, 16, 20, 28 Leads



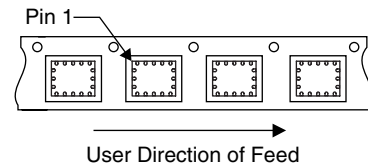
Standard Reel Size	7"	13"
Standard Reel Quantity	1,000	3,000

LGA-4, LGA-6



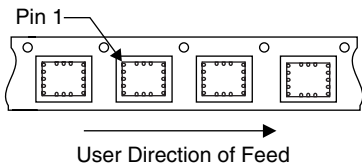
Standard Reel Size	7"	13"
Standard Reel Quantity	3,000	12,000

LGA-16 (-501)



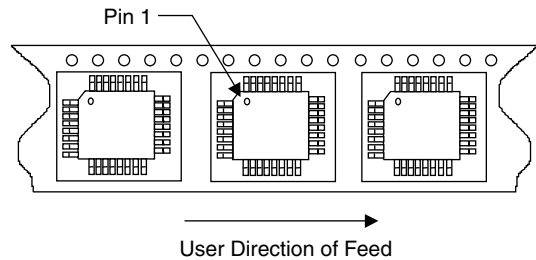
Standard Reel Size	7"	13"
Standard Reel Quantity	1,000	3,000

LGA-16 (-500)



Standard Reel Size	7"	13"
Standard Reel Quantity	1,000	3,000

32 Lead TQFP



Standard Reel Size	7"	13"
Standard Reel Quantity	N/A	2,000