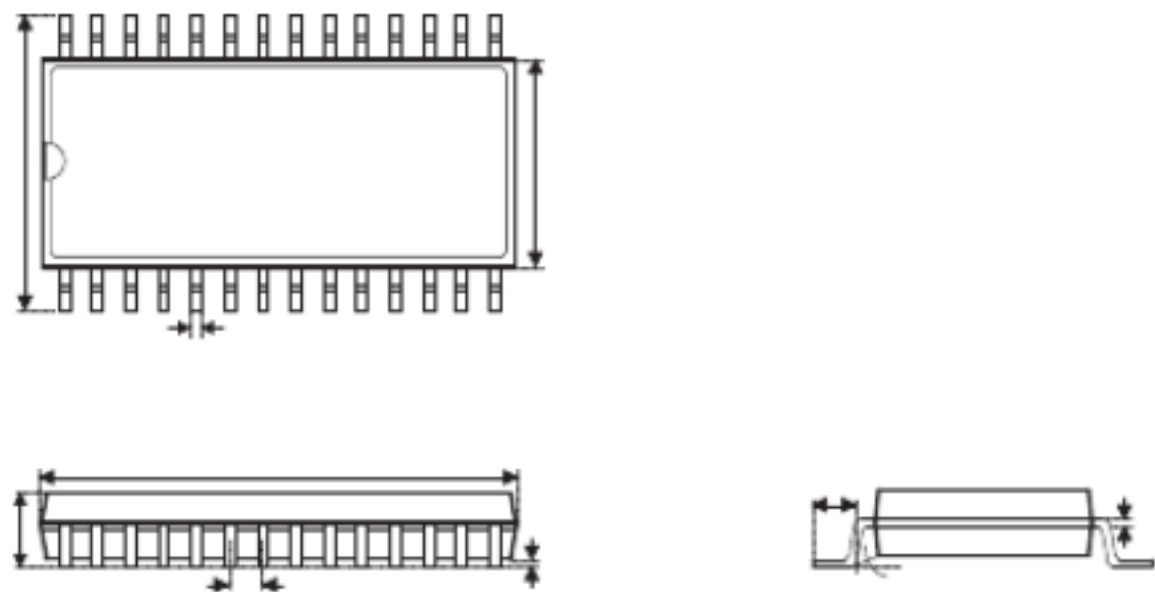


SOP Outline Dimensions

28-pin SOP (300mil) Outline Dimensions



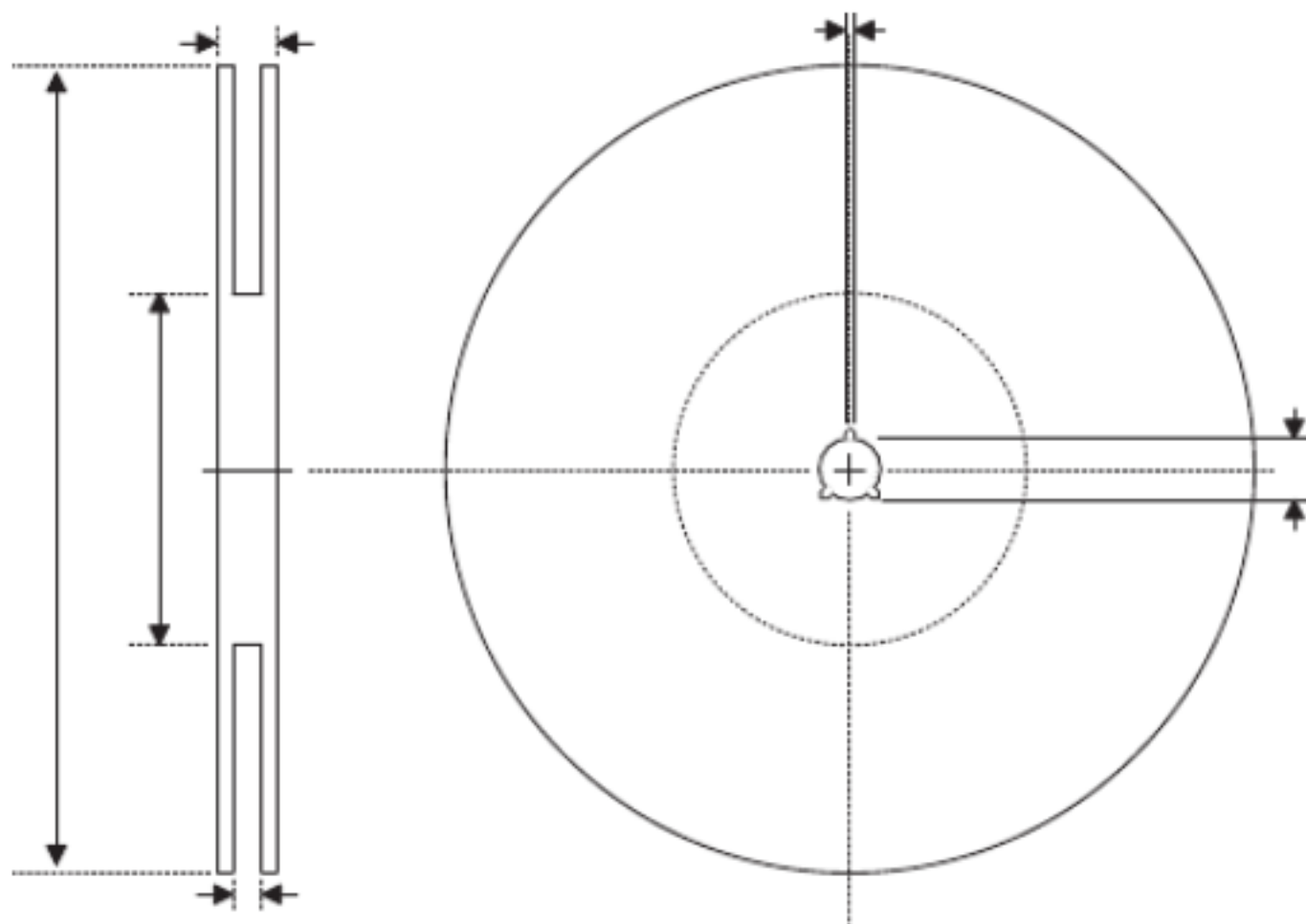
· MS-013

Symbol	Dimensions in inch		
	Min.	Nom.	Max.
A	0.393	?	0.419
B	0.256	?	0.300
C	0.012	?	0.020
C ¢	0.697	?	0.713
D	?	?	0.104
E	?	0.050	?
F	0.004	?	0.012
G	0.016	?	0.050
H	0.008	?	0.013
a	0 °	?	8 °

Symbol	Dimensions in mm		
	Min.	Nom.	Max.
A	9.98	?	10.64
B	6.50	?	7.62
C	0.30	?	0.51
C ¢	17.70	?	18.11
D	?	?	2.64
E	?	1.27	?
F	0.10	?	0.30
G	0.41	?	1.27
H	0.20	?	0.33
a	0 °	?	8 °

Product Tape and Reel Specifications

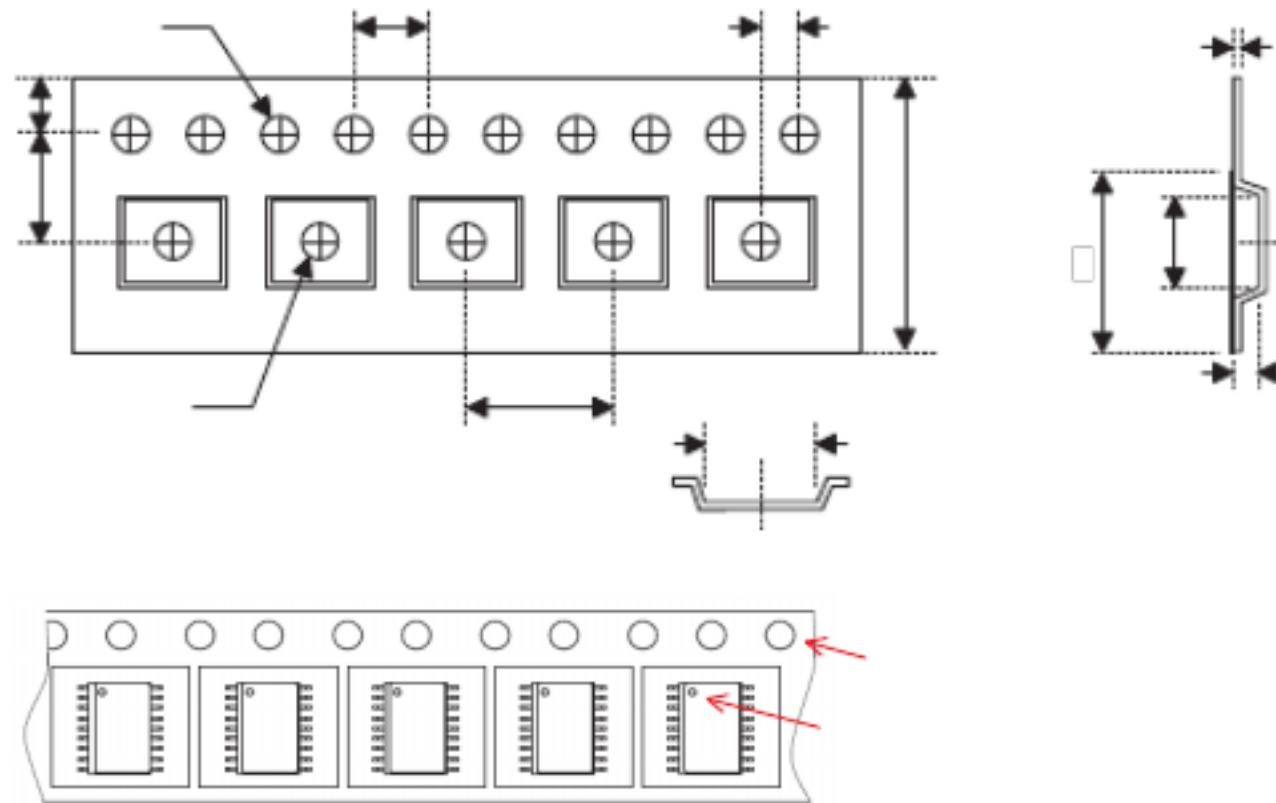
Reel Dimensions



SOP 28W (300mil)

Symbol	Description	Dimensions in mm
A	Reel Outer Diameter	330.0 $\pm 1.0$
B	Reel Inner Diameter	100.0 $\pm 1.5$
C	Spindle Hole Diameter	13.0 $+0.5/-0.2$
D	Key Slit Width	2.0 $\pm 0.5$
T1	Space Between Flange	24.8 $+0.3/-0.2$
T2	Reel Thickness	30.2 $\pm 0.2$

Carrier Tape Dimensions



SOP 28W (300mil)

Symbol	Description	Dimensions in mm
W	Carrier Tape Width	24.0 $\pm 0.3$
P	Cavity Pitch	12.0 $\pm 0.1$
E	Perforation Position	1.75 $\pm 0.10$
F	Cavity to Perforation (Width Direction)	11.5 $\pm 0.1$
D	Perforation Diameter	1.5 $+0.1/-0.0$
D1	Cavity Hole Diameter	1.50 $+0.25/-0.00$
P0	Perforation Pitch	4.0 $\pm 0.1$
P1	Cavity to Perforation (Length Direction)	2.0 $\pm 0.1$
A0	Cavity Length	10.85 $\pm 0.10$
B0	Cavity Width	18.34 $\pm 0.10$
K0	Cavity Depth	2.97 $\pm 0.10$
t	Carrier Tape Thickness	0.35 $\pm 0.01$
C	Cover Tape Width	21.3 $\pm 0.1$