

tape and reel packaging

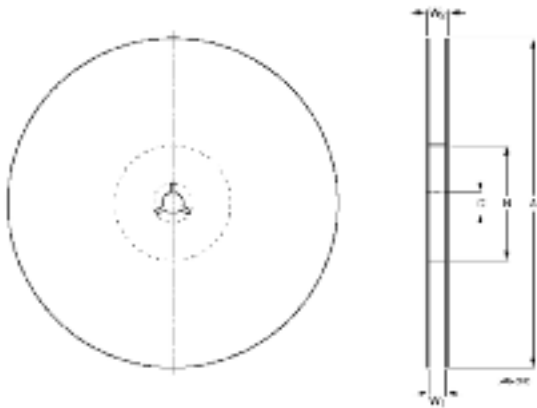
Tape and Reel Quantities

Size	Dielectric	Voltage	Cap. Range	TP	TD	TE	TDB	TEB	
0402	All	All	All	10000	—	—	—	—	
0603	All	All	All	—	4000	—	15000	—	
0805	NPO	All	All	—	4000	—	20000	—	
	X5R	All	All	—	—	3000	—	—	
	X7R	200	472	—	4000	—	15000	—	—
		200	682	—	—	3000	—	10000	—
		100	<= 103	—	4000	—	20000	—	—
		100	153 ~ 223	—	4000	—	15000	—	—
		50	<= 223	—	4000	—	20000	—	—
		50	273 ~ 563	—	4000	—	15000	—	—
		50	104	—	4000	—	15000	—	—
		25	<= 333	—	4000	—	20000	—	—
		25	393 ~ 104	—	4000	—	15000	—	—
		16	473 ~ 683	—	4000	—	20000	—	—
		16	823 ~ 274	—	4000	—	15000	—	—
		16	334 ~ 474	—	—	3000	—	10000	—
	10	684 ~ 105	—	—	3000	—	10000	—	
	Y5V	50	103 ~ 104	—	4000	—	20000	—	—
		50	224	—	4000	—	15000	—	—
		25	103 ~ 104	—	4000	—	20000	—	—
		25	154 ~ 224	—	4000	—	15000	—	—
		16	474, 105	—	4000	—	15000	—	—
10		All	—	—	3000	—	10000	—	

* TP is a 7" reel with a 2mm pitch, TD & TE are 7" reels, TDB & TEB are 13" reels

Size	Dielectric	Voltage	Cap. Range	TD	TE	TDB	TEB	
1206	NPO	200	<= 151	4000	—	20000	—	
		200	221 ~ 102	4000	—	15000	—	
		100	<= 471	4000	—	20000	—	
		50	<= 471	4000	—	20000	—	
	X5R	10	475, 106	—	3000	—	—	
		100	<= 473	4000	—	15000	—	
		100	683	—	4000	—	—	
		100	104	—	2000	—	—	
		200	<= 153	4000	—	15000	—	
		200	223	—	3000	—	10000	
		50	<= 124	4000	—	15000	—	
		50	154 ~ 224	—	3000	—	10000	
		16	<= 394	4000	—	15000	—	
		16	474 ~ 105	—	3000	—	10000	
		10	225 ~ 275	—	3000	—	10000	
		Y5V	50	104 ~ 224	4000	—	20000	—
	50		334 ~ 474	4000	—	15000	—	
	50		684	—	3000	—	10000	
	25		104 ~ 224	4000	—	20000	—	
	25		334 ~ 684	4000	—	15000	—	
25	225		—	3000	—	10000		
16	105		4000	—	15000	—		
10	335 ~ 475		—	3000	—	10000		
10	226		—	2500	—	7000		
1210	X5R		10	106	—	2000	—	—
			50	123 ~ 333	—	4000	—	10000
	X7R		50	823 ~ 224	—	3000	—	10000
		100	473 ~ 823	—	4000	—	10000	
		200	223 ~ 473	—	3000	—	10000	

Reel Specifications

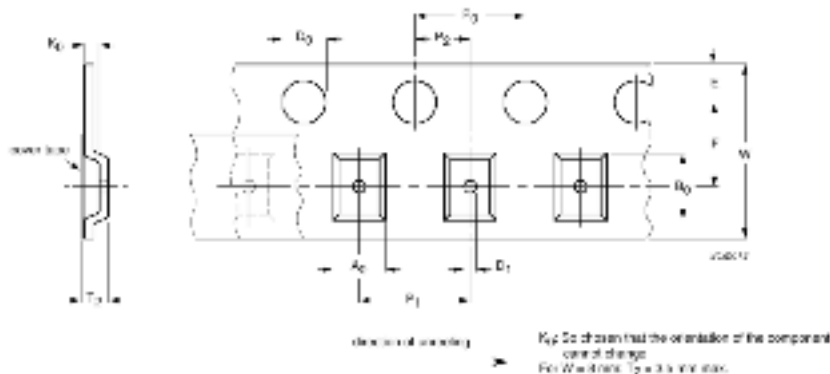


Reel Dimensions

Tape Size	Dimensions inches (mm)				
	A	N	C	W ₁	W ₂ Max.
8 (ø178 mm/7")	7.008 ± .039 (178 ± 1.0)	2.362 ± .039 (60 ± 1.0)	.512 ± .020 (13 ± 0.20)	.354 ± .008 (9.0 ± 0.2)	.567 (14.4)
8 (ø330 mm/13")	12.992 ± .039 (330 ± 1.0)	3.937 ± .039 (100 ± 1.0)	.512 ± .020 (13 ± 0.20)	.354 ± .008 (9.0 ± 0.2)	.567 (14.4)

carrier tape specifications

Blister Tape



Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.

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carrier tape specifications

Blister Tape Dimensions

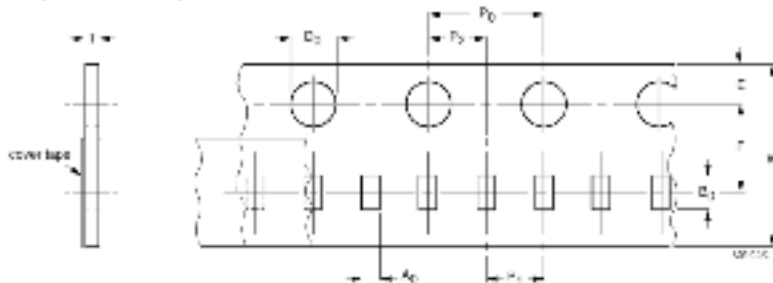
Size Code	Dimensions inches (mm)						
	A ₀		B ₀		K ₀		W
	Min.	Max.	Min.	Max.	Min.	Max.	
0805	.051 (1.29)	.062 (1.57)	.082 (2.08)	.094 (2.39)	.050 (1.27)	.061 (1.55)	.319 ± .008 (8.1 ± 0.20)
1206	.065 (1.65)	.079 (2.01)	.130 (3.30)	.143 (3.63)	.048 (1.22)	.080 (2.03)	.319 ± .008 (8.1 ± 0.20)
1210	.100 (2.55)	.119 (3.02)	.129 (3.28)	.148 (3.76)	.031 (0.78)	.108 (2.75)	.319 ± .008 (8.1 ± 0.20)

Size Code	Dimensions inches (mm)						
	E	F	øD ₀	øD ₁ Min.	P ₀ ²	P ₁	P ₂
0805	.067 ± .004 (1.70 ± 0.1)	.138 ± .002 (3.5 ± 0.05)	.059 ± ^{.004} / _{0.0} (1.5 ± ^{0.1} / _{0.0})	.039 ± ^{.004} / _{0.0} (1.0 ± ^{0.1} / _{0.0})	.157 ± .004 (4.0 ± 0.10)	.157 ± .004 (4.0 ± 0.10)	.079 ± .002 (2.0 ± 0.05)
1206	.067 ± .004 (1.70 ± 0.1)	.138 ± .002 (3.5 ± 0.05)	.059 ± ^{.004} / _{0.0} (1.5 ± ^{0.1} / _{0.0})	.039 ± ^{.004} / _{0.0} (1.0 ± ^{0.1} / _{0.0})	.157 ± .004 (4.0 ± 0.10)	.157 ± .004 (4.0 ± 0.10)	.079 ± .002 (2.0 ± 0.05)
1210	.067 ± .004 (1.70 ± 0.1)	.138 ± .002 (3.5 ± 0.05)	.059 ± ^{.004} / _{0.0} (1.5 ± ^{0.1} / _{0.0})	.039 ± ^{.004} / _{0.0} (1.0 ± ^{0.1} / _{0.0})	.157 ± .004 (4.0 ± 0.10)	.157 ± .004 (4.0 ± 0.10)	.079 ± .002 (2.0 ± 0.05)

Notes:

1. Typical capacitor displacement in pocket.
2. P₀ pitch tolerance over any 10 pitches is ±0.2mm.

Paper/PE Tape



Paper/PE Tape Dimensions

Size Code	Dimensions inches (mm)									
	A ₀	B ₀	W	E	F	P ₀ ¹	P ₁	P ₂	øD ₀	T
0201	.015 ± .001 (0.37 ± 0.03)	.027 ± .002 (0.69 ± 0.05)	.315 ± .008 (8.0 ± 0.20)	.069 ± .002 (1.75 ± 0.05)	.138 ± .002 (3.50 ± 0.05)	.157 ± .004 (4.0 ± 0.1)	.079 ± .002 (2.0 ± 0.05)	.079 ± .002 (2.0 ± 0.05)	.061 ± .001 (1.55 ± 0.03)	.017 ± .002 (0.42 ± 0.05)
0402	.024 ± .002 (0.60 ± 0.05)	.043 ± .002 (1.10 ± 0.05)	.315 ± .008 (8.0 ± 0.20)	.067 ± .002 (1.70 ± 0.05)	.138 ± .002 (3.50 ± 0.05)	.157 ± .002 (4.0 ± 0.05)	.079 ± .002 (2.0 ± 0.05)	.079 ± .002 (2.0 ± 0.05)	.059 ± ^{.004} / _{0.0} (1.50 ± ^{0.1} / _{0.0})	.024 ± .002 (0.60 ± 0.05)
0603	.037 ± .002 (0.95 ± 0.05)	.070 ± .002 (1.78 ± 0.05)	.315 ± .008 (8.0 ± 0.20)	.067 ± .002 (1.70 ± 0.05)	.138 ± .002 (3.50 ± 0.05)	.157 ± .002 (4.0 ± 0.05)	.157 ± .002 (4.0 ± 0.05)	.079 ± .002 (2.0 ± 0.05)	.059 ± ^{.004} / _{0.0} (1.50 ± ^{0.1} / _{0.0})	.037 ± .002 (0.95 ± 0.05)
0805	.059 ± .002 (1.50 ± 0.05)	.089 ± .002 (2.26 ± 0.05)	.315 ± .008 (8.0 ± 0.20)	.067 ± .002 (1.70 ± 0.05)	.138 ± .002 (3.50 ± 0.05)	.157 ± .002 (4.0 ± 0.05)	.157 ± .002 (4.0 ± 0.05)	.079 ± .002 (2.0 ± 0.05)	.059 ± ^{.004} / _{0.0} (1.50 ± ^{0.1} / _{0.0})	.037/.030 (0.95/0.75)

Notes:

1. P₀ pitch tolerance over any 10 pitches is ±0.2mm.