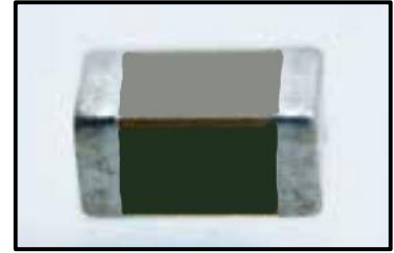


≠ Features

- Large capacitance values in small sizes
- Excellent high frequency characteristics
- All PPI Caps conform to EIA Specifications



≠ Applications

- Can be used on surface mount assembly equipment
- Our fully integrated manufacturing and total quality control systems ensure unprecedented high standards of quality and reliability.

≠ Notes

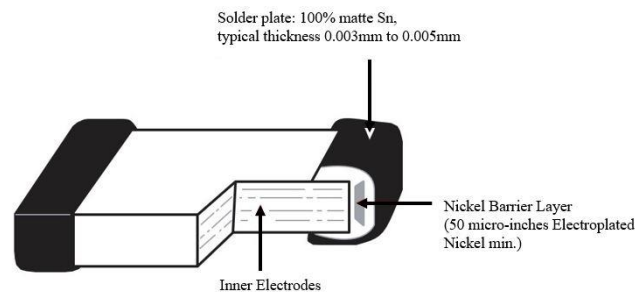
- Capacitance Value & Tolerance are determined by circuit requirements
- Voltage is determined by circuit requirements
- Capacitor Size select the smallest unit permitted by the circuit constraints that provides the required capacitance and voltage rating
- Nickel Barrier is standard and recommended for units exposed to repeated solder cycles, to minimize leaching of the termination.
- All capacitors conform to EIA specifications.

≠ Construction

Constructed by screen printing alternative layers of internal metallic electrodes onto ceramic dielectric materials and firing into a concrete monolithic body, then completed by application of metal end terminations which are fired to assure permanent bonding with the individual internal electrodes.



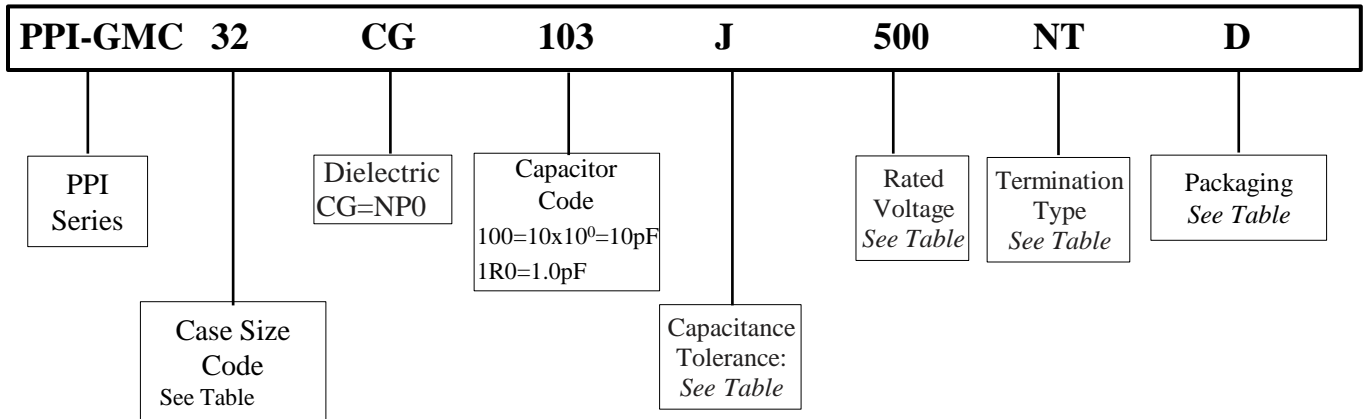
Please note that the contents of this document are subject to change at any time at PPI's sole discretion. The most up-to-date version of this document is available at www.passiveplus.com



≠ NP0/ COG

Capacitance change with temperature is 0-30ppm/°C which is less than -0.3%/°C from -55°C to +125°C. Typical capacitance change with life is less than -0.1% for NP0s, one-fifth that shown by most other dielectrics. NP0 formulations show no aging characteristics.

≠ Part Numbering

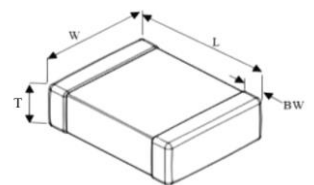


≠ Dielectric

Ultra Stable Class I Dielectric: Linear temperature coefficient, low loss, negligible change of electrical properties with time, voltage and frequency.

≠ Dimensions (mm)

Dimensions (mm)					
Code	Size	L	W	T	BW
01	01005	0.40 ± 0.02	0.20 ± 0.02	0.20 ± 0.02	0.07 ~ 0.14
02	0201	0.60 ± 0.03	0.30 ± 0.03	0.30 ± 0.03	0.15 ± 0.05
04	0402	1.00 ± 0.05	0.50 ± 0.05	0.50 ± 0.10	0.10 ~ 0.35
10	0603	1.60 ± 0.20	0.80 ± 0.20	1.0 max	0.10 ~ 0.40
21	0805	2.00 ± 0.30	1.25 ± 0.20	1.40	0.25 ~ 0.75
31	1206	3.20 ± 0.30	2.50 ± 0.20	2.20	0.25 ~ 0.75
32	1210	3.20 ± 0.30	1.60 ± 0.20	1.80	0.25 ~ 0.75
40	1808	4.50 ± 0.35	3.20 ± 0.30	2.20	0.25 ~ 0.75
43	1812	3.20 ± 0.30	1.6 ± 0.20	1.80	0.25 ~ 0.75
45	1825	5.70 ± 0.40	5.01 ± 0.40	1.80	0.25 ~ 0.75
55	2220	5.70 ± 0.40	6.30 ± 0.40	2.20	0.25 ~ 0.75
57	2225	4.50 ± 0.35	6.30 ± 0.40	2.20	0.25 ~ 0.75



≠ Capacitance Code

Cap Code	Value	Cap Code	Value	Cap Code	Value	Cap Code	Value
0R5	0.5pF	100	10pF	104	0.1uF	106	10uF
5R0	5.0pF	103	0.01uF	105	1.0uF	107	100uF

≠ Capacitance Tolerances

Code	B	C	D	F	G	J	K	M	Z
Tol.	±0.1pF	±0.25pF	±0.5pF	±1%	±2%	±5%	±10%	±20%	-20% + 80%

≠ Rated Voltages

Code	Voltage	Code	Voltage
4R0	4.0V	35	35V
6R3	6.3V	50	50V
10	10V	63	63V
16	16V	100	100V
25	25V	200	200V

≠ Terminations

Nickel barrier is standard and recommended for units exposed to repeated solder cycles to minimize leaching of the termination.

Code	Description
NT	Sn/Ni
PT	Pd/Ag





Dielectric NP0/COG

⚡ Electrical Specifications

Operating Temperature Range	-55°C to +125°C
Temperature Coefficient (TC)	0±30ppm/°C
Temperature Voltage Coefficient (ΔcMax @ VDCW)	0±30ppm/°C
Dissipation Factor	0.1% Max, 0.02% Typical
Insulation Resistance (IR)	25°C, VDCW; > 100 GWF or 1000WF, whichever is less 125°C VDCW; > 10 GWF or 100 WF, whichever is less
Dielectric Withstanding Voltage	3 X VDCW
Aging Rate	0% per decade hour
Test Parameters	C<=1000pF, f = 1MHz, V = 1.0 Vrms ±0.2Vrms, T = 25°C C>1000pF, f = 1KHz, V = 1.0Vrms ±0.2Vrms, T = 25°C

01005: PPI-GMC01

Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC				
0.5 pF	0R5	B,C	6.3V or 16V	6.8	6R8	B,C	6.3V or 16V	33	330	F,G,J,K	6.3V or 16V				
1.0	1R0			8.2	8R2			39	390						
1.2	1R2			10	100			43	430						
1.5	1R5			11	110	47		470							
1.8	1R8			12	120	51		510							
2.2	2R2			15	150	56		560							
2.7	2R7			18	180	62		620							
3.3	3R3			20	200	68		680							
3.9	3R9			22	220	82		820							
4.7	4R7			27	270	100		101							
5.6	5R6			30	300										
															6.3V

0201: PPI-GMC02

Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC					
0.5 pF	0R5	B,C	25V or 50V	6.8	6R8	B,C	25V or 50V	33	330	F,G,J,K	25V or 50V					
1.0	1R0			8.2	8R2			39	390							
1.2	1R2			10	100			43	430							
1.5	1R5			11	110	47		470								
1.8	1R8			12	120	51		510								
2.2	2R2			15	150	56		560								
2.7	2R7			18	180	62		620								
3.3	3R3			20	200	68		680								
3.9	3R9			22	220	82		820								
4.7	4R7			27	270	100		101								
5.6	5R6			30	300											



Dielectric NP0/COG

0402: PPI-GMC04

Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC
0.5 pF	0R5	B,C	10V or 16V or 25V or 50V or 100V or 200V	8.0	8R0	B,C	10V or 16V or 25V or 50V or 100V or 200V	82	820	F,G,J,K	10V or 16V or 25V or 50V or 100V
1.0	1R0			8.2	8R2			91	910		
1.2	1R2			9.0	9R0			100	101		
1.5	1R5			9.1	9R1			110	111		
1.8	1R8			10	100			120	121		
2.0	2R0			11	110	130		131			
2.2	2R2			12	120	150		151			
2.4	2R4			13	130	180		181			
2.7	2R7			15	150	200		201			
3.0	3R0			18	180	220		221			
3.3	3R3			20	200	240		241			
3.5	3R5			22	220	270		271			
3.6	3R6			24	240	300		301			
3.9	3R9			27	270	330		331			
4.0	4R0			30	300	390		391			
4.3	4R3			33	330	430		431			
4.7	4R7			36	360	470		471			
5.0	5R0			39	390	560		561			
5.1	5R1			43	430	680		681			
5.6	5R6			47	470	820		821			
6.0	6R0	51	510	1.0 nF	102						
6.3	6R3	56	560	1.2	122						
6.8	6R8	62	620	1.5	152						
7.0	7R0	68	680	1.8	182						
7.5	7R5	75	750	2.2	222						



Dielectric NP0/COG

0603: PPI-GMC10																
Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC					
0.5 pF	0R5	B,C	25V or 50V or 100V or 200V	9.1	9R1	F,G,J,K	25V or 50V or 100V or 200V	160	161	F,G,J,K	25V or 50V or 100V or 200V					
1.0	1R0			10	100			180	181							
1.2	1R2			11	110			200	201							
1.3	1R3			12	120			220	221							
1.5	1R5			13	130			240	241							
1.8	1R8			15	150			270	271							
2.0	2R0			18	180			300	301							
2.2	2R2			20	200			330	331							
2.4	2R4			22	220			390	391							
2.7	2R7			24	240			430	431							
3.0	3R0			27	270			470	471							
3.3	3R3			30	300			510	511							
3.6	3R6			33	330			560	561							
3.9	3R9			36	360			680	681							
4.0	4R0			39	390			750	751							
4.3	4R3			43	430			820	821							
4.7	4R7			47	470			910	911							
5.0	5R0			51	510			1.0 nF	102							
5.1	5R1			56	560			1.2	122							
5.6	5R6			62	620			1.5	152							
6.0	6R0			68	680			1.8	182							
6.2	6R2			75	750			2.2	222							
6.8	6R8			82	820			2.7	272							
7.0	7R0			91	910			3.3	332							
7.5	7R5			100	101			3.9	392							
8.0	8R0			120	121			4.7	472							
8.2	8R2			130	131			5.6	562							
9.0	9R0			150	151			10	103							
											25V or 50V					



Dielectric NP0/COG

0805: PPI-GMC21												
Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC	
0.5 pF	0R5	B,C	16V or 25V or 50V or 100V or 200V	11	110	F,G,J,K	16V or 25V or 50V or 100V or 200V	270	271	F,G,J,K	16V or 25V or 50V or 100V or 200V	
1.0	1R0			12	120			300	301			
1.1	1R1			13	130			330	331			
1.2	1R2			15	150			360	361			
1.3	1R3			16	160			390	391			
1.5	1R5			18	180			430	431			
1.6	1R6			20	200			470	471			
1.8	1R8			22	220			510	511			
2.0	2R0			24	240			560	561			
2.2	2R2			27	270			680	681			
2.4	2R4			30	300			750	751			
2.7	2R7			33	330			820	821			
3.0	3R0			36	360			910	911			
3.3	3R3			39	390			1.0 nF	102			
3.6	3R6			43	430			1.2	122			
3.9	3R9			47	470			1.5	152			
4.0	4R0			51	510			1.8	182			
4.3	4R3			56	560			2.2	222			
4.7	4R7			62	620			2.4	242			
5.0	5R0			68	680			2.7	272			
5.1	5R1			75	750			3.3	332			
5.6	5R6			82	820			3.9	392			
6.0	6R0			91	910			4.7	472			
6.2	6R2			100	101			5.6	562			
6.8	6R8			120	121			6.8	682			
7.0	7R0			130	131			8.2	822			
7.5	7R5			150	151			10	103			
8.0	8R0			160	161			15	153			
8.2	8R2			180	181			22	223			
9.0	9R0			200	201			33	333			
9.1	9R1			220	221							
10	100			F,G,J,K	240			241				



Dielectric NP0/COG

1206: PPI-GMC31											
Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC
0.5 pF	0R5	B,C	25V or 50V or 100V or 200V	13	130	F,G,J,K	25V or 50V or 100V or 200V	390	391	F,G,J,K	25V or 50V or 100V or 200V
1.0	1R0			15	150			430	431		
1.1	1R1			16	160			470	471		
1.2	1R2			18	180			510	511		
1.3	1R3			20	200			560	561		
1.5	1R5			22	220			680	681		
1.6	1R6			24	240			750	751		
1.8	1R8			27	270			820	821		
2.0	2R0			30	300			910	911		
2.2	2R2			33	330			1.0 nF	102		
2.4	2R4			36	360			1.2	122		
2.7	2R7			39	390			1.5	152		
3.0	3R0			43	430			1.8	182		
3.3	3R3			47	470			2.2	222		
3.6	3R6			51	510			2.4	242		
3.9	3R9			56	560			2.7	272		
4.0	4R0			62	620			3.3	332		
4.3	4R3			68	680			3.9	392		
4.7	4R7			75	750			4.7	472		
5.0	5R0			82	820			5.6	562		
5.1	5R1			91	910			6.8	682		
5.6	5R6			100	101			8.2	822		
6.0	6R0			120	121			10	103		
6.2	6R2			130	131			15	153		
6.8	6R8			150	151			18	183		
7.0	7R0			160	161			22	223		
7.5	7R5			180	181			27	273		
8.0	8R0			200	201			33	333		
8.2	8R2			220	221			39	393		
9.0	9R0			240	241			49	473		
9.1	9R1			270	271			56	563		
10	100			300	301			68	683		
11	110			330	331			82	823		
12	120	360	361	100	104						



Dielectric NP0/COG

1210: PPI-GMC32											
Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC
1.0 pF	1R0	B,C	16V or 25V or 50V or 100V or 200V	18	180	F,G,J,K	16V or 25V or 50V or 100V or 200V	680	681	F,G,J,K	16V or 25V or 50V or 100V or 200V
1.1	1R1			20	200			750	751		
1.2	1R2			22	220			820	821		
1.3	1R3			24	240			910	911		
1.5	1R5			27	270			1.0 nF	102		
1.6	1R6			30	300			1.2	122		
1.8	1R8			33	330			1.5	152		
2.0	2R0			36	360			1.8	182		
2.2	2R2			39	390			2.2	222		
2.4	2R4			43	430			2.4	242		
2.7	2R7			47	470			2.7	272		
3.0	3R0			51	510			3.3	332		
3.3	3R3			56	560			3.9	392		
3.6	3R6			62	620			4.7	472		
3.9	3R9			68	680			5.6	562		
4.0	4R0			75	750			6.8	682		
4.3	4R3			82	820			8.2	822		
4.7	4R7			91	910			10	103		
5.0	5R0			100	101			12	123		
5.1	5R1			120	121			15	153		
5.6	5R6			130	131			18	183		
6.0	6R0			150	151			22	223		
6.2	6R2			160	161			27	273		
6.8	6R8			180	181			33	333		
7.0	7R0			200	201			39	393		
7.5	7R5			220	221			47	473		
8.0	8R0			240	241			56	563		
8.2	8R2			270	271			68	683		
9.0	9R0			300	301			82	823		
9.1	9R1			330	331			100	104		
10	100			360	361			120	124		
11	110			390	391			150	154		
12	120			430	431			180	184		
13	130	470	471	220	224						
15	150	510	511								
16	160	560	561								



Dielectric NP0/COG

1808: PPI-GMC40																
Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC					
10 pF	100	F,G,J,K	50V or 100V or 200V	68	680	F,G,J,K	50V or 100V or 200V	510	511	F,G,J,K	50V or 100V or 200V					
11	110			75	750			560	561							
12	120			82	820			680	681							
13	130			91	910			750	751							
15	150			100	101			820	821							
16	160			120	121			910	911							
18	180			130	131			1.0 nF	102							
20	200			150	151			1.2	122							
22	220			160	161			1.5	152							
24	240			180	181			1.8	182							
27	270			200	201			2.2	222							
30	300			220	221			2.4	242							
33	330			240	241			2.7	272							
36	360			270	271			3.3	332							
39	390			300	301			3.9	392							
43	430			330	331			4.7	472							
47	470			360	361			5.6	562							
51	510			390	391			6.8	682							
56	560			430	431			8.2	822							
62	620			470	471											
											50V or 100V					
											50V					



Dielectric NP0/COG

1812: PPI-GMC43																
Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC					
10 pF	100	F,G,J,K	50V or 100V or 200V	130	131	F,G,J,K	50V or 100V or 200V	2.7	272	F,G,J,K	50V or 100V or 200V					
11	110			150	151			3.3	332							
12	120			160	161			3.9	392							
13	130			180	181			4.7	472							
15	150			200	201			5.6	562							
16	160			220	221			6.8	682							
18	180			240	241			8.2	822							
20	200			270	271			10	103							
22	220			300	301			12	123							
24	240			330	331			15	153							
27	270			360	361			18	183							
30	300			390	391			22	223							
33	330			430	431			27	273							
36	360			470	471			33	333							
39	390			510	511			39	393							
43	430			560	561			47	473							
47	470			680	681			56	563							
51	510			750	751			68	683							
56	560			820	821			82	823							
62	620			910	911			100	104							
68	680			1.0 nF	102			120	124							
75	750			1.2	122			150	154							
82	820			1.5	152			180	184							
91	910			1.8	182			220	224							
100	101			2.2	222											
120	121			2.4	242											
											50V or 100V					
											50V					



Dielectric NP0/COG

1825: PPI-GMC45

Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC					
10 pF	100	F,G,J,K	50V or 100V or 200V	100	101	F,G,J,K	50V or 100V or 200V	1.5	152	F,G,J,K	50V or 100V or 200V					
11	110			120	121			1.8	182							
12	120			130	131			2.2	222							
13	130			150	151			2.4	242							
15	150			160	161			2.7	272							
16	160			180	181			3.3	332							
18	180			200	201			3.9	392							
20	200			220	221			4.7	472							
22	220			240	241			5.6	562							
24	240			270	271			6.8	682							
27	270			300	301			8.2	822							
30	300			330	331			10	103							
33	330			360	361			12	123							
36	360			390	391			15	153							
39	390			430	431			18	183							
43	430			470	471			22	223							
47	470			510	511			27	273							
51	510			560	561			33	333							
56	560			680	681			39	393							
62	620			750	751			47	473							
68	680			820	821			56	563							
75	750			910	911			68	683							
82	820			1.0 nF	102			82	823							
91	910			1.2	122			100	104							
											50V or 100V					

2220: PPI-GMC55

Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC
270 pF	271	F,G,J,K	50V or 100V or 200V	1.8	182	F,G,J,K	50V or 100V or 200V	33	333	F,G,J,K	50V or 100V
300	301			2.2	222			39	393		
330	331			2.4	242			47	473		
360	361			2.7	272			56	563		
390	391			3.3	332			68	683		
430	431			3.9	392			82	823		
470	471			4.7	472			100	104		
510	511			5.6	562			120	124		
560	561			6.8	682			150	154		
680	681			8.2	822			180	184		
750	751			10	103			220	224		
820	821			12	123			270	274		
910	911			15	153			330	334		
1.0 nF	102			18	183			470	474		
1.2	122			22	223						
1.5	152			27	273						





Dielectric NP0/COG

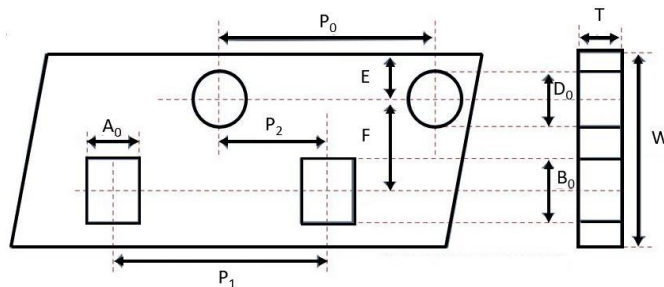
2225: PPI-GMC57

Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC	Value	Code	Tol.	Rated WVDC					
270 pF	271	F,G,J,K	50V or 100V or 200V	1.0 nF	102	F,G,J,K	50V or 100V or 200V	10	103	F,G,J,K	50V or 100V or 200V					
300	301			1.2	122			12	123							
330	331			1.5	152			15	153							
360	361			1.8	182			18	183							
390	391			2.2	222			22	223							
430	431			2.4	242			27	273							
470	471			2.7	272			33	333							
510	511			3.3	332			39	393							
560	561			3.9	392			47	473							
680	681			4.7	472			56	563							
750	751			5.6	562			68	683							
820	821			6.8	682			82	823							
910	911			8.2	822										50V or 100V	
																50V

⚡ Packaging

Size	Code		Description	
	D	G	Q	
	<i>Qty per 7" Reel</i>		<i>Qty per 10/13" Reel</i>	
01005	20K	50K		
0201	10K/ 15K	50K		
0402	10K	40K	50K	
0603	4K	10K	15K	
0805	2K, 3K, 4K	10K	15K	20K
1206	2K, 3K, 4K	10K	15K	20K
1210	500, 1K, 2K, 3K	4K	8K	
1808	1K, 2K, 3K			
1812	500, 1K	3K		
1825	500, 1K			
2220	500, 1K			
2225	500, 750			

⚡ Tape & Reel Specifications

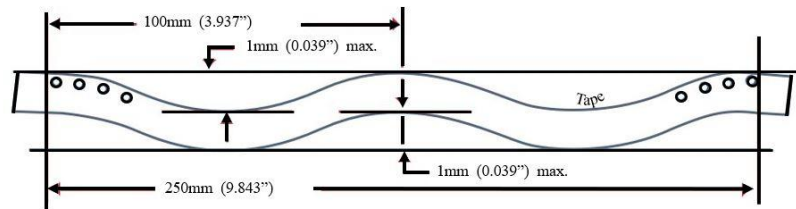
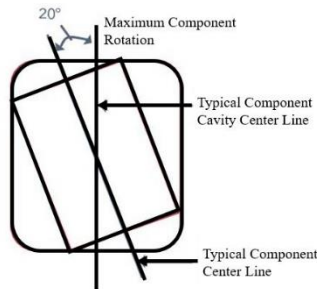
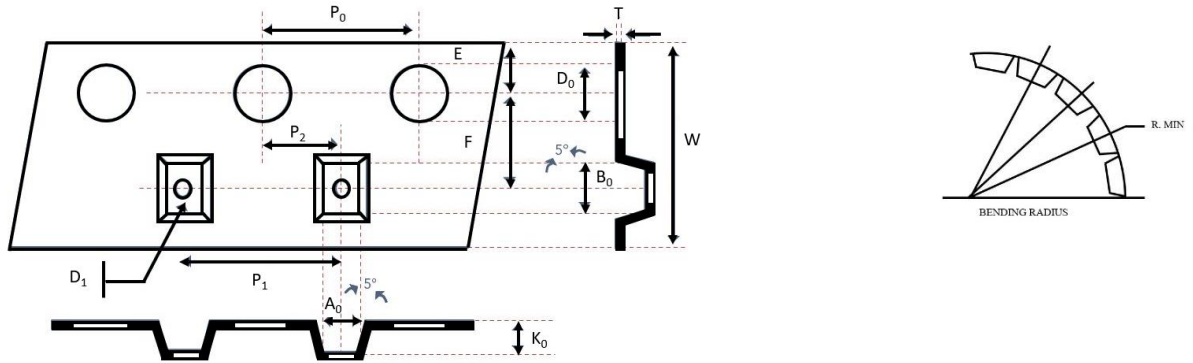


Cardboard carrier tape for EIA case sizes: 01005, 0201, 0402, 0603, 0805, 1206

Unit: mm

Size	A_0	B_0	T	K_0	W	P_0	10XPo	P_1	P_2	D_0	D_1	E	F
01005	0.25 ± 0.04	0.45 ± 0.04	0.36 ± 0.05	*	8.00 ± 0.30	4.00 ± 0.10	40.00 ± 0.10	2.00 ± 0.05	2.00 ± 0.05	1.50 ± 0.10	*	1.75 ± 0.10	3.50 ± 0.05
0201	0.39 ± 0.07	0.69 ± 0.07	<0.50	*	8.00 ± 0.10	4.00 ± 0.10	40.00 ± 0.10	2.00 ± 0.05	2.00 ± 0.05	1.55 ± 0.05	*	1.75 ± 0.05	3.50 ± 0.05
0402	0.70 ± 0.20	1.20 ± 0.20	<0.80	*	8.00 ± 0.10	4.00 ± 0.10	40.00 ± 0.10	2.00 ± 0.05	2.00 ± 0.05	1.55 ± 0.05	*	1.75 ± 0.05	3.50 ± 0.05
0603	1.10 ± 0.20	1.90 ± 0.20	<1.20	*	8.00 ± 0.10	4.00 ± 0.10	40.00 ± 0.10	2.00 ± 0.05	2.00 ± 0.05	1.55 ± 0.05	*	1.75 ± 0.05	3.50 ± 0.05
0805	1.65 ± 0.20	2.40 ± 0.20	<1.30	*	8.00 ± 0.10	4.00 ± 0.10	40.00 ± 0.10	2.00 ± 0.05	2.00 ± 0.05	1.55 ± 0.05	*	1.75 ± 0.05	3.50 ± 0.05
1206	2.00 ± 0.20	3.60 ± 0.20	<1.30	*	8.00 ± 0.10	4.00 ± 0.10	40.00 ± 0.10	2.00 ± 0.05	2.00 ± 0.05	1.55 ± 0.05	*	1.75 ± 0.05	3.50 ± 0.05

≠ Tape & Reel Specifications



Embossed plastic carrier tape for case sizes: 0805, 1206, 1210, 1808, 1812, 1825, 2220, 2225

Unit: mm

Size	A ₀	B ₀	T	K ₀	W	P ₀	10XP ₀	P ₁	P ₂	D ₀	D ₁	E	F
0805	<1.80	<2.70	0.23 ± 0.10	<2.50	8.00 ± 0.20	4.00 ± 0.10	40.00 ± 0.20	2.00 ± 0.05	2.00 ± 0.05	1.50 ± 0.10	1.00 ± 0.10	1.75 ± 0.10	3.50 ± 0.05
1206	<2.30	<4.00	0.23 ± 0.10	<2.50	8.00 ± 0.20	4.00 ± 0.10	40.00 ± 0.20	2.00 ± 0.05	2.00 ± 0.05	1.50 ± 0.10	1.00 ± 0.10	1.75 ± 0.10	3.50 ± 0.05
1210	<3.20	<3.95	0.23 ± 0.10	<3.00	8.00 ± 0.20	4.00 ± 0.10	40.00 ± 0.20	2.00 ± 0.05	2.00 ± 0.05	1.50 ± 0.10	1.00 ± 0.10	1.75 ± 0.10	3.50 ± 0.05
1808	<2.50	<5.30	0.25 ± 0.10	<2.50	12.00 ± 0.20	4.00 ± 0.10	40.00 ± 0.20	2.00 ± 0.05	2.00 ± 0.05	1.50 ± 0.10	1.00 ± 0.10	1.75 ± 0.10	5.50 ± 0.10
1812	<3.90	<5.30	0.25 ± 0.10	<3.50	12.00 ± 0.20	4.00 ± 0.10	40.00 ± 0.20	2.00 ± 0.05	2.00 ± 0.05	1.50 ± 0.10	1.50 ± 0.10	1.75 ± 0.10	5.50 ± 0.10
1825	<6.80	<5.30	0.30 ± 0.10	<3.10	12.00 ± 0.20	4.00 ± 0.10	40.00 ± 0.20	2.00 ± 0.05	2.00 ± 0.05	1.50 ± 0.10	1.50 ± 0.10	1.75 ± 0.10	5.50 ± 0.10
2220	<5.80	<6.50	0.30 ± 0.10	<3.10	12.00 ± 0.20	4.00 ± 0.10	40.00 ± 0.20	2.00 ± 0.05	2.00 ± 0.05	1.50 ± 0.10	1.50 ± 0.10	1.75 ± 0.10	5.50 ± 0.10
2225	<6.80	<6.50	0.30 ± 0.10	<3.10	12.00 ± 0.20	4.00 ± 0.10	40.00 ± 0.20	2.00 ± 0.05	2.00 ± 0.05	1.50 ± 0.10	1.50 ± 0.10	1.75 ± 0.10	5.50 ± 0.10