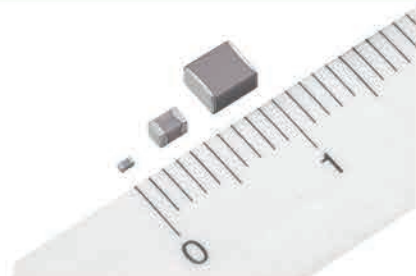


# H、T、Q series



◆ YMIN high voltage products are designed and manufactured to meet the international standards.

The product is well suited for commercial and industrial applications including NP0、X8R、X7R characteristics in sizes of 1206 to 2220 and with working voltage up to 3KV.

## ◆ Features

- ◇ Special Internal Electrode Design Offers The Highest Voltage Rating
- ◇ Surface Mount Suitable For Wave And Reflow Soldering
- ◇ High Reliability
- ◇ RoHS Compliant

## ◆ Applications

- ◇ Suitable For LAN/WLAN Interface, Back-Lighting Inverter, DC-DC Converters, Ballast, Modems And Power Supplies

## ■ Specifications

Item	Specifications
Voltage Range	1000Vdc~3000Vdc
Capacitance Chaning Rate	NP0 -55~+200°C (0±30ppm/°C)
	X7R -55~+125°C (±10%)
	X8R -55~+150°C (±10%)
Disspation Factor	NP0 : Q≥1000; X7R : D.F.≤2.5%; X8R : D.F.≤2.5%
Lsolation resistance	10GΩor500/CΩwhichever is smaller
Aging	NP0 : 0% X7R、X8R: Typically 2.5% per decade of time
Dielectric Value	100V≤V≤500V : 200% Rated Voltage
	500V≤V≤1000V : 150% Rated Voltage
	1000V≤V : 120% Rated Voltage

## ■ Part number

1206	A	100	K	201	Q	L
Size Code: 1206: 3.20×1.60 1210: 3.20×2.50 1812: 4.50×3.20 2220: 5.70×5.00	Dielectric code : A: NP0 B: X7R C: X8R	Capacitance code: 0R5: 0.5pF 1R0: 1pF 102: 1000pF Note: the first two digits are valid digits, the third digit is the number of 0, and R is the decimal point	Tolerance code: K: ±15% M: ±20% S: +50% -20% Z: +80% -20%	Voltage code: 6R3: 6.3 500: 50 201: 200 Note: the first two digits are valid digits, the third digit is the number of 0, and R is the decimal point	Temperature code: Q: NP0 -55°C~200°C 25°C0±30ppm/°C  H: X7R -55°C~125°C 25°C±10%  T: X8R -55°C~150°C 25°C±10%	Thickness Code: unit: mm K: 0.125 H: 0.13 E: 0.18 C: 0.2 P: 0.3 K: 0.45 W: 0.5 A: 0.8 D: 0.85 F: 1.15 G: 1.25 L: 1.6 N: 1.9 Y: 2 M: 2.5

**Standard Product Chart**

Temperature	Size	Voltage	Capacitance Range(pF)																																														
			2R0	3R3	3R9	5R0	8R2	100	120	150	180	220	270	330	390	470	560	680	820	101	121	151	181	221	271	331	391	471	561	681	821	102	122	152	182	222	272	332	392	472	562	682	822	103	123	153	183	223	273
NP0	1206	1KV	[Shaded cells]																																														
		2KV	[Shaded cells]																																														
		3KV	[Shaded cells]																																														
	1210	1KV	[Shaded cells]																																														
		1812	1KV	[Shaded cells]																																													
			2KV	[Shaded cells]																																													
	2220	1KV	[Shaded cells]																																														
		2KV	[Shaded cells]																																														
		3KV	[Shaded cells]																																														

Temperature	Size	Voltage	Capacitance Range(pF)																																												
			101	151	181	221	271	331	391	471	561	681	821	102	122	152	182	222	272	332	392	472	562	682	822	103	123	153	183	223	273	333	393	473	563	683	823	104	124	154	184	224	274	334	394	474	564
X7R	1KV	1206	[Shaded cells]																																												
		1210	[Shaded cells]																																												
		1812	[Shaded cells]																																												
		2220	[Shaded cells]																																												

Temperature	Size	Voltage	Capacitance Range(pF)																																												
			101	151	181	221	271	331	391	471	561	681	821	102	122	152	182	222	272	332	392	472	562	682	822	103	123	153	183	223	273	333	393	473	563	683	823	104	124	154	184	224	274	334	394	474	564
X7R	2KV	1206	[Shaded cells]																																												
		1210	[Shaded cells]																																												
		1812	[Shaded cells]																																												
		2220	[Shaded cells]																																												

Temperature	Size	Voltage	Capacitance Range(pF)																																												
			101	151	181	221	271	331	391	471	561	681	821	102	122	152	182	222	272	332	392	472	562	682	822	103	123	153	183	223	273	333	393	473	563	683	823	843	104	124	154	184	224	274	334	394	474
X7R	3KV	1206	[Shaded cells]																																												
		1812	[Shaded cells]																																												
		2220	[Shaded cells]																																												

**Standard Product Chart**

Temperature	Size	Voltage	Capacitance Range(pF)																																															
			50	100	560	181	181	221	271	331	391	471	491	561	681	821	102	122	152	182	222	272	332	392	472	562	682	822	103	123	153	183	223	273	333	393	473	563	683	823	104	124	154	184	224	274	334	394	474	564
X8R	1206	1KV	[Shaded]																																															
		2KV	[Shaded]																																															
		3KV	[Shaded]																																															
	1210	1KV	[Shaded]																																															
		2KV	[Shaded]																																															
	1812	1KV	[Shaded]																																															
		2KV	[Shaded]																																															
		3KV	[Shaded]																																															
	2220	1KV	[Shaded]																																															
		2KV	[Shaded]																																															
		3KV	[Shaded]																																															