

Hongda Capacitors

How to order Tantalum Capacitors



CA42	106	M	035	B	2	R	-
Type	Capacitance code	Tolerance	Rated DC Voltage	Package	Pitch size	RoHs	Additional characters may be added for special requirements
CA42	pF Code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow) 106 = 10uF 107 = 100uF	K: +/-10% M: +/-20%	Code 035: 35VDC 006 = 6.3VDC 010 = 10VDC 025 = 25VDC 035 = 35VDC 050 = 50VDC	B: Bulk A: Ammo Taped	2: pitch size 2.54mm 5: pitch size 5.08mm		



CA45	C	106	M	035	R	-
Type	Case Size	Capacitance code	Tolerance	Rated DC Voltage	Package	Additional characters may be added for special requirements
CA45	See size table in our datasheet	pF Code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow) 106 = 10uF 107 = 100uF	K: +/-10% M: +/-20%	Code 035: 35VDC 006 = 6.3VDC 010 = 10VDC 025 = 25VDC 035 = 35VDC 050 = 50VDC	R: Tape & Reel	



QCA45	C	106	M	035	R	-
Type	Case Size	Capacitance code	Tolerance	Rated DC Voltage	Package	Additional characters may be added for special requirements
QCA45	See size table in our datasheet	pF Code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow) 106 = 10uF 107 = 100uF	K: +/-10% M: +/-20%	Code 035: 35VDC 006 = 6.3VDC 010 = 10VDC 025 = 25VDC 035 = 35VDC 050 = 50VDC	R: Tape & Reel	



CA45L	C	106	M	035	R	0100	-
Type	Case Size	Capacitance code	Tolerance	Rated DC Voltage	Package	ESR in mΩ	Additional characters may be added for special requirements
CA45L	See size table in our datasheet	pF Code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow) 106 = 10uF 107 = 100uF	K: +/-10% M: +/-20%	Code 035: 35VDC 006 = 6.3VDC 010 = 10VDC 025 = 25VDC 035 = 35VDC 050 = 50VDC	R: Tape & Reel		



CA55	C	106	M	035	R	0100	-
Type	Case Size	Capacitance code	Tolerance	Rated DC Voltage	Package	ESR in mΩ	Additional characters may be added for special requirements
CA55	See size table in our datasheet	pF Code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow) 106 = 10uF 107 = 100uF	K: +/-10% M: +/-20%	Code 035: 35VDC 006 = 6.3VDC 010 = 10VDC 025 = 25VDC 035 = 35VDC 050 = 50VDC	R: Tape & Reel		

Hongda Capacitors

How to order Multilayer Ceramic Capacitors(MLCC)



<u>HLC</u>	<u>1206</u>	<u>X7R</u>	<u>104</u>	<u>K</u>	<u>500</u>	<u>N</u>	<u>-</u>
<u>Type</u>	<u>Size</u>	<u>Dielectric</u>	<u>Capacitance</u>	<u>Tolerance</u>	<u>Rated voltage</u>	<u>Termination</u>	Additional characters may be added for special requirements
HLC	Inch (mm) 0201 (0603) 0402 (1005) 0603 (1608) 0805 (2012) 1206 (3216) 1210 (3225) 1808 (4520) 1812 (4532) 1825 (4563) 2211 (5728) 2220 (5750) 2225 (5763)	NPO X7R Y5V X5R	Two significant digits followed by no. of zeros. And R is in place of decimal point. eg.: 0R5=0.5pF 1R0=1.0pF 104=10x104=100nF	B=±0.1pF C=±0.25pF D=±0.5pF F=±1% G=±2% J=±5% K=±10% M=±20% Z=-20/+80%	Two significant digits followed by no. of zeros. And R is in place of decimal point. 4R0=4 VDC 6R3=6.3 VDC 100=10 VDC 160=16 VDC 250=25 VDC 500=50 VDC 101=100 VDC 102=1000 VDC 202= 2000 VDC	N=Cu/Ni/Sn	

How to order Thick Film Chip Resistors



<u>HDR</u>	<u>1206</u>	<u>W4</u>	<u>F</u>	<u>4704</u>	<u>R</u>	<u>-</u>
<u>Type</u>	<u>Product Type</u>	<u>Wattage</u>	<u>Tolerance</u>	<u>Resistance Value</u>	<u>Packing Type</u>	Additional characters may be added for special requirements
SMD resistors	Digits with chip resistor types as follows: 0105=01005 0201 0402 0603 0805 1206 1210 1812 2010 2512	Normal size: WH=1/32W WM=1/20W WG=1/16W WA=1/10W W8=1/8W W4=1/4W W2=1/2W 1W=1W Small size: SA=1/10WS S8=1/8WS S4=1/4W-S S3=1/3WS U2=1/2WSS 07=3/4W-S	B=±0.1% C=±0.25% D=±0.5% F=±1% G=±2% J=±5% K=±10%	5%(E-24series) The 1st digit will be "0" ;the2nd & 3rd digits are for the significant figures of the resistance and the 4th digit indicate the numbers of zeros following. ≤ 1% (E-24, E-96 series) The 1st to 3rd digits are for the significant figures of the resistance and 4th digit denotes number of zeros following. J=10-1; K=10-2; L=10-3	R=Tape/Reel	

How to order SMD Chip Aluminum Electrolytic Capacitor



<u>HCH</u>	<u>106</u>	<u>M</u>	<u>0160</u>	<u>1013</u>	<u>R</u>	<u>-</u>
<u>Series</u>	<u>Capacitance code</u>	<u>Tolerance</u>	<u>Rated Voltage</u>	<u>Size Code</u>	<u>Package</u>	Additional characters may be added for special requirements
HCH HCK HCN HCP HCS HEL HFZ HHU HKH HKP HKZ HLZ HSC HJVD HVD HVH HVS	pF Code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow) 106 = 10uF 107 = 100uF	M: +/-20%	Code 0160: 160VDC For DC Voltage 0160: 160VDC 0250: 250VDC 0450: 450VDC 0016: 16VDC 0050: 50VDC	Code 1013: Size 10x13.5mm Size for V-chip E-cap 1013: Size 10x13.5mm 1213: Size 12.5x13.5mm 1616: Size 16x16.5mm	R: Tape & Reel	

Hongda Capacitors

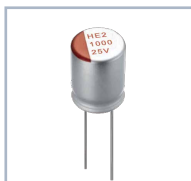
How to order

Conductive Polymer Aluminum Electrolytic Capacitors



HMB SMD High Capacitance Ultra-Low ESR Conductive Polymer Aluminum Solid Electrolytic Capacitors

<u>HMB</u>	<u>106</u>	<u>M</u>	<u>0006</u>	<u>0405</u>	<u>R</u>	<u>-</u>
Type	Case Size	Capacitance code	Tolerance	Rated DC Voltage	Package	Additional characters may be added for special requirements
HMB	pF Code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow) 106 = 10uF 107 = 100uF	M: +/-20%	Code 0006: 6.3VDC For DC Voltage 0004: 4VDC 0010: 10VDC 0016: 16VDC	Code 0405: Size 4x5.5mm Size for V-chip E-cap 0405: Size 4x5.5mm 0607: Size 6.3x7/7.7m 1012: Size 10x12mm	R: Tape & Reel	

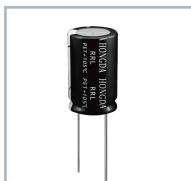


Radial Conductive Polymer Aluminum Solid Electrolytic Capacitor

<u>HE2/HH2</u>	<u>106</u>	<u>M</u>	<u>016</u>	<u>01250250</u>	<u>050</u>	<u>B</u>	<u>000</u>	<u>-</u>
Series	Capacitance code	Tolerance	Rated DC Voltage	Size Code	Pitch	Package	Lead Length	Additional characters may be added for special requirements
HE2 HH2	pF Code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow) 106 = 10uF 107 = 100uF	M: +/-20%	Code 016: 16VDC For DC Voltage 006: 6.3VDC 016: 16VDC 035: 35VDC 200: 200VDC 450: 450VDC	Code 01250250: Size 12.5*25mm 00500110: Size 5*11mm 00630110: Size 6.3*11mm 01250250: Size 12.5*25mm 01600250: Size 16*25mm	Axial: 000 2.0: 020 2.5: 025 3.5: 035 5.0: 050 7.5: 075	B: BULK T: AMMO TAPED	Standard: 000 Cut Lead Length: 3.0mm: 030 3.5mm: 035 4.0mm: 040 4.5mm: 045 5.0mm: 050	

How to order

Radial Aluminum Electrolytic Capacitors



Radial Aluminum Electrolytic Capacitors

<u>RRL</u>	<u>106</u>	<u>M</u>	<u>016</u>	<u>01250250</u>	<u>050</u>	<u>B</u>	<u>000</u>	<u>-</u>
Series	Capacitance code	Tolerance	Rated DC Voltage	Size Code	Pitch	Package	Lead Length	Additional characters may be added for special requirements
RRL RFZ RGE RGF RGK RGR RHP RIP RJP RLL RLZ RMZ RPH RRC RRZ	pF Code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow) 106 = 10uF 107 = 100uF	M: +/-20%	Code 016: 16VDC For DC Voltage 006: 6.3VDC 016: 16VDC 035: 35VDC 200: 200VDC 450: 450VDC	Code 01250250: Size 12.5*25mm 00500110: Size 5*11mm 00630110: Size 6.3*11mm 01250250: Size 12.5*25mm 01600250: Size 16*25mm	Axial: 000 2.0: 020 2.5: 025 3.5: 035 5.0: 050 7.5: 075	B: BULK T: AMMO TAPED	Standard: 000 Cut Lead Length: 3.0mm: 030 3.5mm: 035 4.0mm: 040 4.5mm: 045 5.0mm: 050	

How to order

Snap-In Terminal Aluminum Electrolytic Capacitor



Snap-In Terminal Aluminum Electrolytic Capacitor

<u>RJP</u>	<u>106</u>	<u>M</u>	<u>016</u>	<u>01250250</u>	<u>100</u>	<u>B</u>	<u>000</u>	<u>-</u>
Series	Capacitance code	Tolerance	Rated Voltage	Size Code	Pitch	Package	Lead Length	Additional characters may be added for special requirements
RJP RIP RHP RGP RCP RPN RMN	pF Code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow) 106 = 10uF 107 = 100uF	M: +/-20%	Code 016: 16VDC For DC Voltage 006: 6.3VDC 016: 16VDC 035: 35VDC 200: 200VDC 450: 450VDC	Code 01250250: Size 12.5*25mm 00500110: Size 5*11mm 00630110: Size 6.3*11mm 01250250: Size 12.5*25mm 02000250: Size 20*25mm	10: 100	B: BULK T: AMMO TAPED	Standard: 000 Cut Lead Length: 3.0mm: 030 3.5mm: 035 4.0mm: 040 4.5mm: 045 5.0mm: 050	

Hongda Capacitors

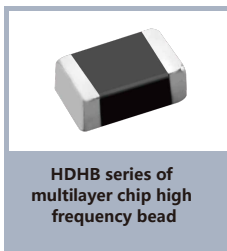
How to order

Inductors & Beads



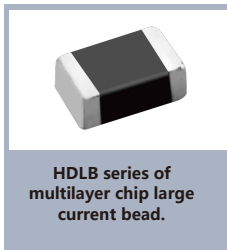
<u>HDGB</u>	<u>1608</u>	<u>M</u>	<u>101</u>	<u>H</u>	<u>I</u>	<u>-LF</u>
↓	↓	↓	↓	↓	↓	↓
①	②	③	④	⑤	⑥	⑦

① Product Symbol HDGB:
 ② Dimensions (3)
 ③ Material Code (G, M, D)
 ④ Impedance Value 100:10Ω,101: 100Ω,102: 1000Ω
 ⑤ Characteristic
 ⑥ Packaging Style (B: Bulk; T: Tape & Reel)
 ⑦ Lead Free



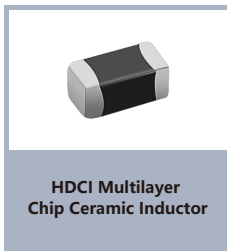
<u>HDHB</u>	<u>1608</u>	<u>K</u>	<u>102</u>	<u>I</u>	<u>-LF</u>
↓	↓	↓	↓	↓	↓
①	②	③	④	⑤	⑥

① Product Symbol (HDHB)
 ② Dimensions
 ③ Material Code
 ④ Impedance Value 102: 1000Ω,
 ⑤ Packaging Style (B: Bulk; T: Tape & Reel)
 ⑥ Lead Free



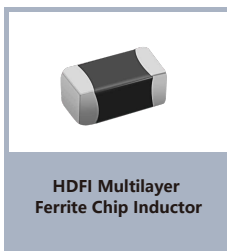
<u>HDLB</u>	<u>2012</u>	<u>M</u>	<u>121</u>	<u>I</u>	<u>2R0</u>	<u>-LF</u>
↓	↓	↓	↓	↓	↓	↓
①	②	③	④	⑤	⑥	⑦

① Product Symbol (HDLB):
 ② Dimensions
 ③ Material Code (E, M, Q)
 ④ Impedance Value
 ⑤ Packaging Style (B: Bulk; T: Tape & Reel)
 ⑥ Rated Current (1R5:1500mA, 2R0: 2000mA)
 ⑦ Lead Free



<u>HDCI</u>	<u>0603</u>	<u>I</u>	<u>12N</u>	<u>□</u>	<u>I</u>	<u>01</u>	<u>-LF</u>
↓	↓	↓	↓	↓	↓	↓	↓
①	②	③	④	⑤	⑥	⑦	⑧

① Product Symbol
 ② Dimensions
 ③ Material Code (T)
 ④ Inductance Value (12N: 12nH)
 ⑤ Inductance Tolerance (B:±0.1nH;C:±0.2nH;S:±0.3nH;D:±0.5nH;G:±2%; H:±3%;J:±5%;K:±10%;)
 ⑥ Packaging Style (B: Bulk; T: Tape & Reel);01
 ⑦ Process Code
 ⑧ Lead Free



<u>HDFI</u>	<u>1608</u>	<u>C</u>	<u>4R7</u>	<u>K</u>	<u>K</u>	<u>-LF</u>
↓	↓	↓	↓	↓	↓	↓
①	②	③	④	⑤	⑥	⑦

① Product Symbol
 ② Dimensions (3)
 ③ Material Code (A;Q;C;D;E;R)
 ④ Inductance Value (47N:0.047μH;R47:0.47μH;4R7:4.7μH;470:47μH;471:470μH)
 ⑤ Inductance Tolerance (J:±5%; K:±10%; M:±20%; N:±30%)
 ⑥ Packaging Style (B: Bulk; T: Tape & Reel)
 ⑦ Lead Free

Hongda Capacitors

How to order

Inductors & Beads



**HDTC Ceramic Series
Chip Inductor Precision
Winding (High Q) Type**

<u>HDTC</u>	<u>0402</u>	<u>C</u>	<u>1N0</u>	<u>J</u>	<u>S</u>	<u>I</u>
↓	↓	↓	↓	↓	↓	↓
①	②	③	④	⑤	⑥	⑦

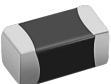
① Series Name
 ② Product Dimension (L*W Inch)
 ③ Features
 ④ Inductance Value (1N0: 1.0nH / 10N: 10nH / R10: 100nH)
 ⑤ Inductance Tolerance
 ⑥ Termination Materials (S: Sn)
 ⑦ Packing Style (T: Taping / B: Bulk)



**HTF Ferrite Series
Chip Inductor Precision
Winding (High Q) Type**

<u>HTF</u>	<u>0805</u>	<u>W</u>	<u>100</u>	<u>K</u>	<u>S</u>	<u>I</u>
↓	↓	↓	↓	↓	↓	↓
①	②	③	④	⑤	⑥	⑦


① Series Name
 ② Product Dimension (L*W Inch)
 ③ Structure
 ④ Inductance Value (1R0: 1.0uH / 100: 10uH / 101: 100uH)
 ⑤ Inductance Tolerance (J: ± 5% / K: ± 10%)
 ⑥ Termination Materials (S: Sn)
 ⑦ Packing Style (T: Taping / B: Bulk)



**Power Inductor
Multilayer Chip Type
HDFL Large Current Series**

<u>HDFL</u>	<u>2012</u>	<u>UF</u>	<u>2R2</u>	<u>M</u>	<u>I</u>	<u>-LF</u>
↓	↓	↓	↓	↓	↓	↓
①	②	③	④	⑤	⑥	⑦

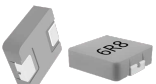
① Product Symbol
 ② Dimensions (3)
 ③ Material Code
 ④ Inductance Value (2R2: 2.2uH)
 ⑤ Inductance Tolerance (K: ±10%; M: ±20%; N: ±30%)
 ⑥ Packaging Style (B: Bulk; T: Tape & Reel)
 ⑦ Lead Free



**Power Inductor
Big Size
Molding Type**

<u>HAPM</u>	<u>0603</u>	<u>E</u>	<u>3R3</u>	<u>M</u>	<u>-LF</u>
↓	↓	↓	↓	↓	↓
①	②	③	④	⑤	⑥

① Series name
 ② Product dimensions (0630: 7.8*7.0*3.0 mm)
 ③ Structure code
 ④ Inductance Value (3R3:3.3uH 100: 10uH; 101:100uH)
 ⑤ Inductance Tolerance (M:20%; N:30%)
 ⑥ Lead free products



**Power Inductor
Small Size
Molding Type**

<u>HPIM</u>	<u>201610</u>	<u>H</u>	<u>1R0</u>	<u>M</u>	<u>-LF</u>
↓	↓	↓	↓	↓	↓
①	②	③	④	⑤	⑥

① Series Name
 ② Product Dimension (L*W*H mm)
 ③ Special process code
 ④ Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)
 ⑤ Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)
 ⑥ Lead Free Product

Hongda Capacitors

How to order

Inductors & Beads



<u>HPIA/HPIAL</u> <u>HPIT/HPIE/HPIH</u>	<u>201610-</u>	<u>1R0</u>	<u>M</u>	<u>-LF</u>	<u>S</u>	<u>I</u>
↓	↓	↓	↓	↓	↓	↓
①	②	③	④	⑤	⑥	⑦

① Series Name
② Product dimensions (2.0×1.6×1.0mm)
③ Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)
④ Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)
⑤ Lead Free Product



<u>HSDS</u>	<u>32-</u>	<u>1R0</u>	<u>M</u>	<u>-LF</u>
↓	↓	↓	↓	↓
①	②	③	④	⑤

① Series name
② Product Dimension (L*W mm)
③ Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)
④ Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)
⑤ Lead Free Product



<u>HSDSRH</u>	<u>127-</u>	<u>330</u>	<u>M</u>	<u>-LF</u>
↓	↓	↓	↓	↓
①	②	③	④	⑤

① Product Symbol
② Dimensions (12*12*8mm)
③ Inductance Value (6R8:6.8uH 680:68uH; 101:100 uH 252:2500 uH)
④ Inductance Tolerance (K:10%; M:20% N:30%)
⑤ Lead-Free



<u>HDSFD</u>	<u>6D28-</u>	<u>M</u>	<u>100</u>	<u>-LF</u>
↓	↓	↓	↓	↓
①	②	③	④	⑤

① Product Symbol
② Product dimensions
③ Inductance Tolerance: (K:10%; M:20%;N:30%)
④ Inductance Value: (4R7: 4.7uH 100: 10uH; 101: 100uH)
⑤ Lead free product.



<u>HDCDH</u>	<u>8D28-</u>	<u>100</u>	<u>N</u>	<u>-LF</u>
↓	↓	↓	↓	↓
①	②	③	④	⑤

① Series name
② Product Dimension (L*W mm)
③ Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)
④ Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)
⑤ Lead Free Product

Hongda Capacitors

How to order

Inductors & Beads



**Power Inductor
Coil Type
(Whole Shield)**

<u>HDCDRH</u>	<u>104-</u>	<u>100</u>	<u>N</u>	<u>-LF</u>
↓	↓	↓	↓	↓
<u>①</u>	<u>②</u>	<u>③</u>	<u>④</u>	<u>⑤</u>

- ① Series Name
- ② Product Dimension (L*W mm)
- ③ Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)
- ④ Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)
- ⑤ Lead Free Product



**Power Inductor
Coil Type
(Whole Shield)**

<u>HDSL</u>	<u>0755-</u>	<u>100</u>	<u>M</u>	<u>-LF</u>
↓	↓	↓	↓	↓
<u>①</u>	<u>②</u>	<u>③</u>	<u>④</u>	<u>⑤</u>

- ① Product Symbol
- ② Product Dimension (L*W mm)
- ③ Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)
- ④ Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)
- ⑤ Lead free product.



**HDRC Series Winding
Wire Common Mode
Choke Coil**

<u>HDRC</u>	<u>3216</u>	<u>M</u>	<u>601</u>	<u>I</u>	<u>-2</u>	<u>-LF</u>
↓	↓	↓	↓	↓	↓	↓
<u>①</u>	<u>②</u>	<u>③</u>	<u>④</u>	<u>⑤</u>	<u>⑥</u>	<u>⑦</u>

- ① Series name (Wire Wound Chip Common Mode Choke Coil)
- ② Dimensions LxW : (3216=3.2x1.6 mm)
- ③ Material code
- ④ Impedance: (Example 601=60x10¹=600Ω)
- ⑤ Packing Style: (T: Taping B: Bulk)
- ⑥ Number of signal lines
- ⑦ Lead Free