



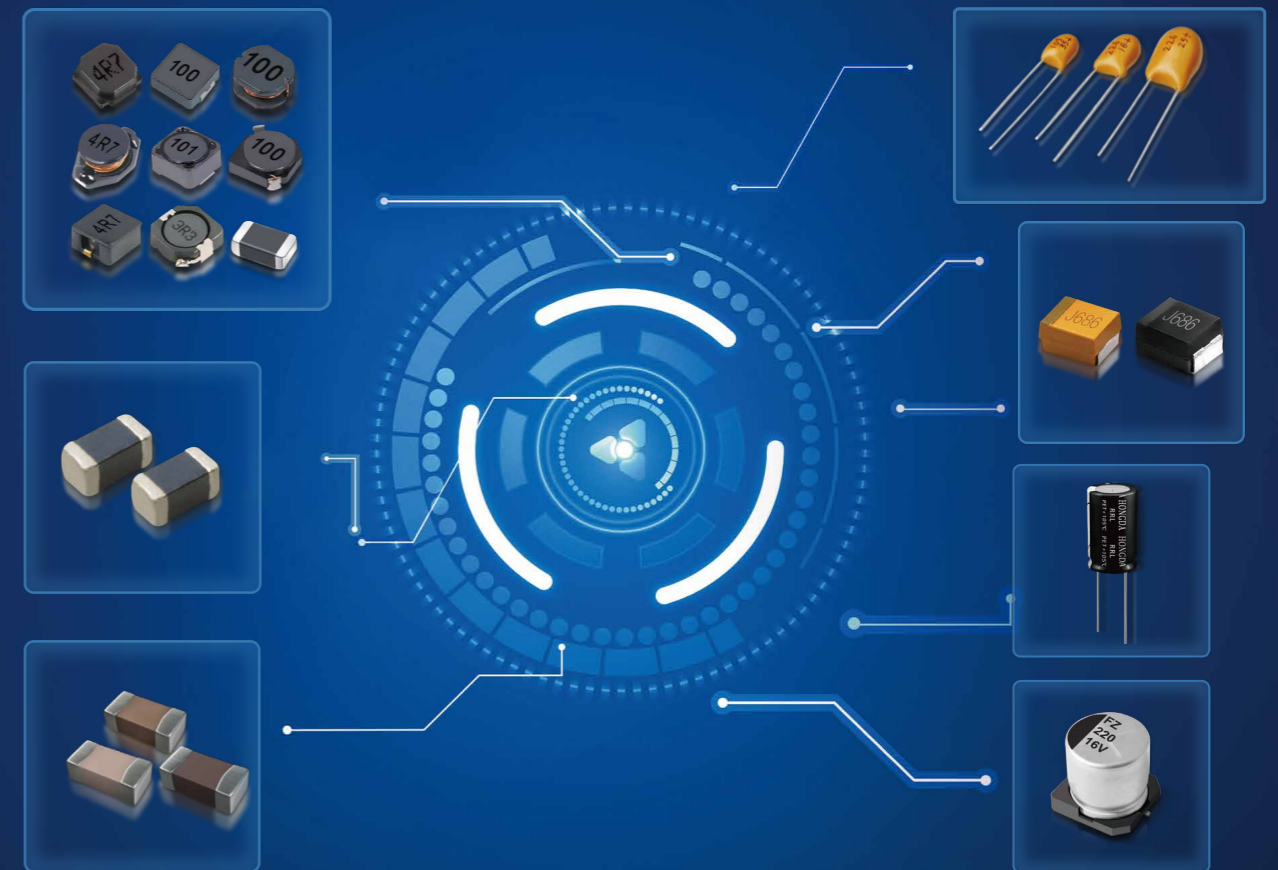
Hongda Capacitors®

Hongda Capacitors & Inductors

ISO9001:2015 & IATF16949 certified manufacturer

GJB9001C: 2017 Military Parts Qualification

Capacitors & Inductors Specialist!



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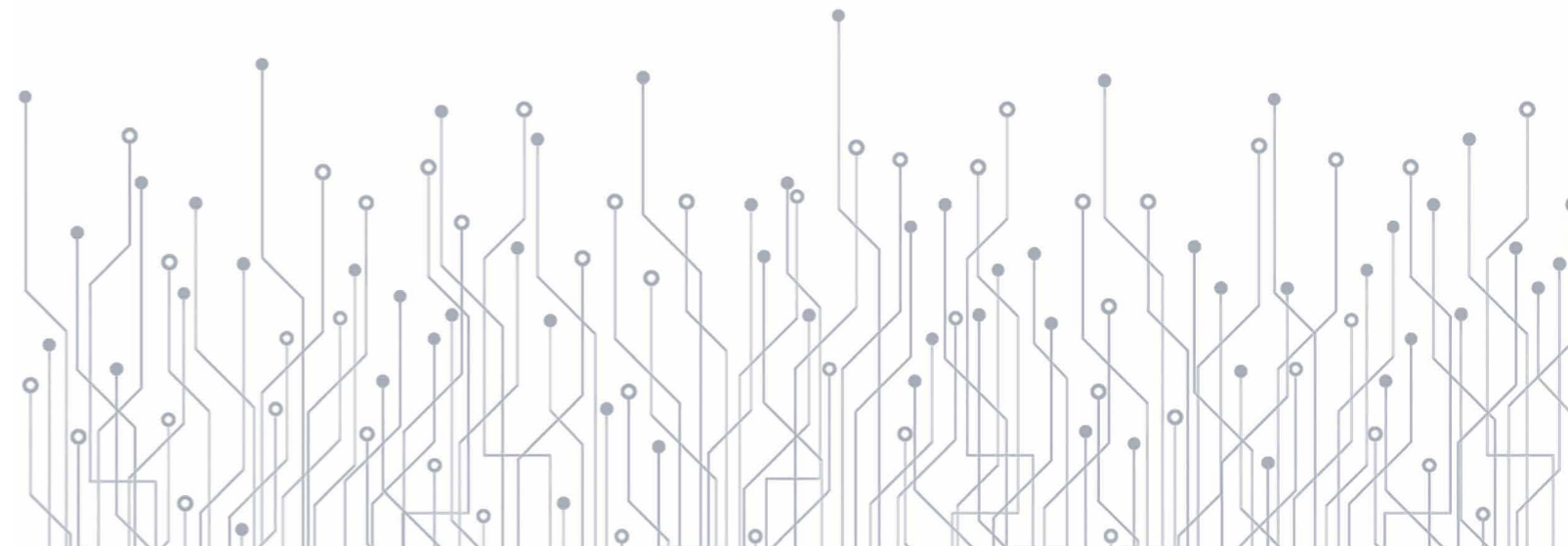
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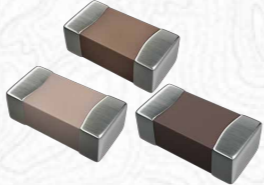
LinkedIn: [maggie L--Hongda capacitors](https://www.linkedin.com/company/maggie-L--Hongda-capacitors)



Hongda Capacitors is an ISO9001:2015 and IATF16949 certified factory. With more than 20 years experiences of designing and manufacturing capacitors and inductors, we have developed ourselves to be the leading global supplier in the passive components market. As the top tantalum capacitors manufacturer in China, we've obtained GJB9001C:2017 military tantalum capacitors qualification from the Ministry of Defense.

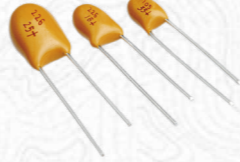
Chip Multilayer Ceramic Capacitors

HLC Chip Multilayer Ceramic Capacitors (Chip MLCC, General Purpose)				
Dielectric:	NPO	X7R	X5R	Y5V
Capacitance range:	0.1pF to 0.27μF	100pF to 47μF	100pF to 220μF	0.01μF to 100μF
Capacitance tolerance	A (±0.05pF), B (±0.1pF), C (±0.25pF), D (±0.5pF), F (±1%), G (±2%), J (±5%), K (±10%)	J (±5%), K (±10%), M (±20%)	K (±10%), M (±20%)	M (±20%), Z (-20/+80%)
Rated voltage (WVDC)	4V, 6.3V, 10V, 16V, 25V, 50V, 100V, 200V, 250V, 500V, 1000V, 2000V, 3000V, 4000V			
Operating temperature	-55 to +125°C		-55 to +85°C	-25 to +85°C
Capacitance characteristic	±30ppm	±15%	±15%	+30/-80%
Case Size:	0201, 0402, 0603, 0805, 1206, 1210, 1808, 1812, 1825, 2211, 2220, 2225			




Tantalum Capacitors


CA42 Radial Epoxy Dipped Tantalum Capacitor (General Purpose)	
Operating Temp.:	-55°C~+125°C; >85°C (with rated voltage derating)
DC Leakage at 25°C:	I ₀ ≤ 0.02 CRUR or 1uA (Choose the greater one)
Capacitance:	0.68μF~1000μF
Voltage Range:	6.3V, 10V, 16V, 25V, 35V, 50V
Tolerance:	K: ±10%; M: ±20% (Standard Tolerance)
Pitch Size:	2.54mm & 5.08mm
Package Type:	Bulk; Ammo Taped Package
Cross Reference:	AVX TAP; Kemet T350-T390; Nemco TB, Vishay 199D




CA45 Chip Tantalum Capacitors (General Purpose)	
Operating Temp.:	-55°C ~ +125°C; >85 °C (with rated voltage derating)
DC Leakage at 25°C:	I ₀ ≤ 0.01 CRUR or 0.5 uA (Choose the greater one)
Capacitance:	0.68μF~2200μF
Voltage Range:	2.5V, 4V, 6.3V, 10V, 16V, 20V, 25V, 35V, 50V
Tolerance:	K: ±10%; M: ±20% (Standard Tolerance)
Case Size:	A, B, C, D, E, V case (SMT)
Package Type:	Tape & Reel
SPQ/MPQ:	Reel Qty.: A B 2000pcs; C D 500pcs; E 400pcs
Cross Ref.:	AVX TAJ series F930, Kemet T491 Series, Vishay 293D




CA45L Low ESR Chip Tantalum Capacitors	
Operating Temp.:	-55°C ~ +125°C; >85 °C (with rated voltage derating)
DC Leakage at 25°C:	I ₀ ≤ 0.01 CRUR or 0.5 uA (Choose the greater one)
Capacitance:	0.68μF~1000μF
Voltage Range:	4V, 6.3V, 10V, 16V, 20V, 25V, 35V, 50V
Tolerance:	K: ±10%; M: ±20% (Standard Tolerance)
Case Size:	A, B, C, D, E, V case (SMT)
Package Type:	Tape & Reel
SPQ/MPQ:	Reel Qty.: A B 2000pcs; C D 500pcs; E 400pcs
Cross Ref.:	AVX TPS series, Kemet T494 T495, Vishay 593D



CA55 Polymer Tantalum Capacitors	
Operating Temp.:	-55°C ~ +105°C; >85 °C (with rated voltage derating)
DC Leakage at 25°C:	I ₀ ≤ 0.01CRUR
Capacitance:	0.68μF~680μF
Voltage Range:	4V, 6.3V, 10V, 16V, 20V, 25V, 35V, 50V
Tolerance:	K: ±10%; M: ±20% (Standard Tolerance)
Case Size:	A, B, C, D, E, H, V case (SMT)
Package Type:	Tape & Reel
Cross Ref.:	AVX TCJ series, Kemet T520 Series, Vishay T55



QCA45 Chip Tantalum Capacitors (Automotive Grade)	
Operating Temp.:	-55°C ~ +125°C; >85 °C (with rated voltage derating)
DC Leakage at 25°C:	I ₀ ≤ 0.01CRUR or 0.5 uA (Choose the greater one)
Capacitance:	0.68μF~680μF
Voltage Range:	4V, 6.3V, 10V, 16V, 20V, 25V, 35V, 50V
Tolerance:	K: ±10%; M: ±20% (Standard Tolerance)
Case Size:	A, B, C, D, E, H, V case (SMT)
Package Type:	Tape & Reel
SPQ/MPQ:	Reel Qty.: A B 2000pcs; C D 500pcs; E 400pcs
Cross Ref.:	AVX TAJ series, Kemet T489/T490/T491 series






SMD Electrolytic Capacitors

HCS Series 85°C 2000 Hours V-Chip Aluminum Electrolytic Capacitor (SMD E-CAP)		HCH -40~+ 105°C 3000 hrs. Load Life High Voltage, Long Life SMD E-Cap	
HVS Series: Standard, 85°C V-chip aluminum electrolytic capacitors	Temperature: -40°C~ +85°C	Load life: 2000 hrs	Voltage: 4~450V DC
Capacitance: 0.1~ 10000μF	Tolerance: ±20% at 120Hz, 20°C	Size: 4x5.4, 5x5.4, 6.3x5.4, 6.3x7.7, 8x10.5, 10x10.5, 10x13.5, 12.5x13.5, 12.5x16, 16x16.5, 18x16.5, 18x18.5	
HCK Series: Standard, 105°C V-chip aluminum electrolytic capacitors	Temperature: -40°C~ +85°C	Load life: 2000 hrs	Voltage: 4~450V DC
Capacitance: 0.1~ 8200μF	Tolerance: ±20% at 120Hz, 20°C	Size: 4x5.4, 5x5.4, 6.3x5.4, 6.3x7.7, 8x10.5, 10x10.5, 10x13.5, 12.5x13.5, 12.5x16, 16x16.5, 18x16.5, 18x18.5	
HLZ -55~+105°C 2000 hrs. Load Life Low Impedance SMD E-Cap	HLZ Series: Low Impedance, 105°C V-chip aluminum electrolytic capacitors	Temperature: -55°C~ +105°C	Load life: 1000-2000 hrs
Capacitance: 0.1~ 4700μF	Tolerance: ±20% at 120Hz, 20°C	Size: 4x5.8, 5x5.8, 6.3x5.8, 6.3x7.7, 8x10.5, 10x10.5, 10x13.5, 12.5x13.5, 12.5x16, 16x16.5	
HKH -40~+ 125°C 5000 hrs. Load Life High Temperature SMD E-Cap	HKH Series: High Temperature, 125°C V-chip aluminum electrolytic capacitors	Temperature: -40°C ~ +125°C	Load life: 1000-5000 hrs
Capacitance: 3.3~ 4700μF	Tolerance: ±20% at 120Hz, 20°C	Size: 4x5.8, 5x5.8, 6.3x5.8, 6.3x7.7, 8x10.5, 10x10.5, 10x13.5, 12.5x13.5, 12.5x16, 16x16.5, 18x16.5	
HEL -55~+ 105°C 3000 hrs. Load Life Long life Assurance SMD E-Cap	HEL Series: Long life, 105°C V-chip aluminum electrolytic capacitors	Temperature: -55°C ~ +105°C	Load life: 2000-3000 hrs
Capacitance: 0.1~ 1500μF	Tolerance: ±20% at 120Hz, 20°C	Size: 4x5.8, 5x5.8, 6.3x5.8, 6.3x7.7, 8x10.5, 10x10.5, 10x13.5, 12.5x13.5, 12.5x16, 16x16.5	
HFZ -55~+105°C Long life, Extremely Low Impedance SMD E-Cap	HFZ Series: Low Impedance, 105°C V-chip aluminum electrolytic capacitors	Temperature: -55°C~ +105°C	Load life: 2000-5000 hrs
Capacitance: 3.3~ 8200μF	Tolerance: ±20% at 120Hz, 20°C	Size: 4x5.8, 5x5.8, 6.3x5.8, 6.3x7.7, 8x10.5, 10x10.5, 10x13.5, 12.5x13.5, 12.5x16, 16x16.5, 18x16.5, 18x18.5	
HKL 55~+ 105°C 5000 hrs. Load Life Long life Assurance SMD E-Cap	HKL Series: Long life, 105°C V-chip aluminum electrolytic capacitors	Temperature: -55°C ~ +105°C	Load life: 3000-5000 hrs
Capacitance: 0.1~ 1500μF	Tolerance: ±20% at 120Hz, 20°C	Size: 4x5.8, 5x5.8, 6.3x5.8, 6.3x7.7, 8x10.5, 10x10.5, 10x13.5, 12.5x13.5, 12.5x16, 16x16.5	
HCP -40~ +85°C 3000 hrs. Load Life High Voltage, Long life SMD E: Cap	HCP Series: High Voltage, 85°C V-chip aluminum electrolytic capacitors	Temperature: -40°C~ +85°C	Load life: 3000 hrs
Capacitance: 3.3~ 100μF	Tolerance: ±20% at 120Hz, 20°C	Size: 10x13.5, 12.5x13.5, 12.5x16, 16x16.5	
HSC -40~+85°C 2000 hrs. Load Life Low Leakage Current SMD E: Cap	HSC Series: Low Leakage Current, 85°C V-chip aluminum electrolytic capacitors	Temperature: -40°C ~ +85°C	Load life: 2000 hrs
Capacitance: 0.1~ 220μF	Tolerance: ±20% at 120Hz, 20°C	Size: 4x5.4, 5x5.4, 6.3x5.4, 6.3x7.7	
HCN -40~+85°C 1000 hrs. Load Life Non-polarized	HCN Series: Load Life Non-polarized	Temperature: -40°C~ +85°C	Load life: 1000 hrs
Capacitance: 0.1~ 100μF	Tolerance: ±20% at 120Hz, 20°C	Size: 4x5.4, 5x5.4, 6.3x5.4, 6.3x7.7	
HKP -55~+ 105°C 1000 hrs. Load Life Non-polarized	HKP Series: Load Life Non-polarized	Temperature: -55°C ~ +105°C	Load life: 1000 hrs
Capacitance: 0.1~ 47μF	Tolerance: ±20% at 120Hz, 20°C	Size: 4x5.4, 5x5.4, 6.3x5.4	





SMD Electrolytic Capacitors

HVS -40°C ~+85°C 2000 hrs V-Chip SMD Aluminum Electrolytic Capacitor HVS Series: Standard Temperature: -40°C~+85°C Load life: 2000 hrs Voltage: 4V~400V DC Capacitance: 0.1 ~ 10000µF Tolerance: ±20% at 120Hz, 20°C Size: 4x5.4, 5x5.4, 6.3x5.4, 6.3x7.7, 6.3x10.5, 8x10.5, 10x10.5, 10x12.5, 10x13.5, 12.5x13.5, 12.5x16, 16x16.5, 18x16.5, 18x21.5				HVH -40°C ~+105°C 2000 hrs High Voltage SMD Aluminum Electrolytic Capacitor HVH Series: High Voltage, High Capacitance Temperature: -40°C ~ +105°C Load life: 2000 hrs Voltage: 4 ~ 400V DC Capacitance: 0.1 ~ 8200µF Tolerance: ±20% at 120Hz, 20°C Size: 4x5.4, 5x5.4, 6.3x5.4, 6.3x7.7, 6.3x10.5, 8x10.5, 10x10.5, 10x12.5, 10x13.5, 12.5x13.5, 12.5x16, 16x16.5, 18x16.5, 18x21.5			
HVD -55°C~+105°C 2000-5000 hrs Low Impedance Long Life SMD E-Cap HVD Series: Low Impedance, Long Life, High Capacitance Temperature: -55°C~+105°C Load life: 2000-5000 hrs Voltage: 6.3V~50V DC Capacitance: 1 ~ 8200µF Tolerance: ±20% at 120Hz, 20°C Size: 4x5.4, 5x5.4, 6.3x5.4, 6.3x7.7, 6.3x10.5, 8x10.5, 10x10.5, 10x12.5, 10x13.5, 12.5x13.5, 12.5x16, 16x16.5, 18x16.5, 18x21.5				HJVD -55°C~+105°C 2000-10000 hrs Extra Lower Impedance High Voltage SMD E-Cap HJVD Series: Long Life, Extra Lower Impedance, High Voltage Temperature: -55°C ~ +105°C Load life: 2000-10000 hrs Voltage: 63 ~ 450V DC Capacitance: 1 ~ 680µF Tolerance: ±20% at 120Hz, 20°C Size: 4x5.4, 5x5.4, 6.3x5.4, 6.3x7.7, 6.3x10.5, 8x10.5, 10x10.5, 10x12.5, 10x13.5, 12.5x13.5, 12.5x16, 16x16.5, 18x16.5, 18x21.5			



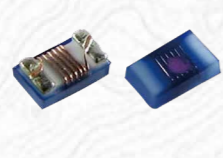
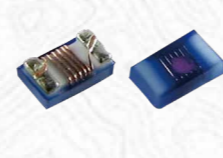
Polymer Aluminum Electrolytic Capacitors

HMB SMD High Capacitance Ultra-Low ESR Conductive Polymer E-cap HMB Series: Ultra-Low ESR Temperature: -55°C~+105°C Load life: 2000 hrs Voltage: 2.5V~25V DC Capacitance: 100 ~ 1000µF Tolerance: ±20% at 120Hz, 20°C Size: 5x5.5, 5x5.8, 5x8, 5x9, 6.3x5, 6.3x6, 6x5.8, 6x6.5, 6.3x7, 6.3x7.7, 6.3x9, 8x6.7, 8x7.7, 10x12 and so on				<p>Polymer capacitor is a upgrade level capacitor with better performance: RoHS & REACH compliant, Halogen-free</p> <p>Featured with ultra-low ESR and high ripple current</p> <p>Excellent performance at high or low temperature, and even keep great characteristics at -55°C</p> <p>Widely used for IT products, PD power supply, LED devices, 5G industry, and so on.</p>			
HE2 Radial Low ESR Conductive Polymer E-Cap HE2 Series: Low ESR, High Capacitance Temperature: -55°C~+105°C Load life: 2000 hrs Voltage: 2.5V~25V DC Capacitance: 68 ~ 1500µF Tolerance: ±20% at 120Hz, 20°C Size: Φ5, 6.3, 8, 10mm are available				HH2 Radial High Voltage Conductive Polymer E-Cap HH2 Series: High Voltage Temperature: -55°C~+105°C Load life: 2000 hrs Voltage: 35V~100V DC Capacitance: 10 ~ 470µF Tolerance: ±20% at 120Hz, 20°C Size: Φ5, 6.3, 8, 10mm are available			

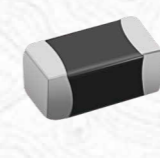
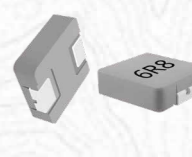




Multilayer Chip Beads

HDGB Series of Multilayer Chip Ferrite Bead Impedance: 1~3500 Ω Tolerance: ±25% DCR: 0.01~3 Ω Rated Current: 0.1~3 A Profile Feature: Lead-Free Size: 1005[0402], 1608[0603], 2012[0805], 3216[1206]				HDHB Series of Multilayer Chip High Frequency Bead Impedance: 1~3500 Ω Tolerance: ±25% DCR: 0.01~3 Ω Rated Current: 0.05~3 A Profile Feature: Lead-Free Size: 0603[0201], 1005[0402], 1608[0603], 2012[0805]			
HDLB Series of Multilayer Chip Large Current Bead Impedance: 1~3500 Ω Tolerance: ±25% DCR: 0.01~2 Ω Rated Current: 0.1~10 A Profile Feature: Lead-Free Size: 1005[0402], 1608[0603], 2012[0805], 3216[1206]				HDSB Series Multilayer Chip Sharp Bead Impedance: 1~3500 Ω Tolerance: ±25% DCR: 0.01~2 Ω Rated Current: 0.1~3 A Profile Feature: Lead-Free Size: 1005[0402], 1608[0603], 2012[0805], 3216[1206]			


Chip Inductors

HDCL Series Multilayer Chip Ceramic Inductor Inductance: 0.6~470uH Tolerance: S: ±0.3%; D: ±0.5%; J: ±5%; K: ±10% DCR: 0.05~6.0 Ω Rated Current: 0.05~1 A Profile Feature: Lead-Free Size: 0603[0201], 1005[0402], 1608[0603], 2012[0805]				HDFI Series Multilayer Chip Ferrite Inductor Inductance: 0.047~100uH Tolerance: J: ±5%; K: ±10%; M: ±20%; N: ±30% DCR: 0.2~3.45 Ω Rated Current: 0.001~0.3 A Profile Feature: Lead-Free Size: 1005[0402], 1608[0603], 2012[0805], 3216[1206]			
HDTC Series Chip Inductor Precision Winding [High Q] Ceramic Type Inductance: 1~1000uH Tolerance: B: ±0.1nH; C: ±0.2nH; S: ±0.3nH; D: ±0.5nH; G: ±2%; H: ±3%; J: ±5%; K: ±10% DCR: 0.012~4.35 Ω Rated Current: 0.03~3.5 A Profile Feature: Lead-Free Size: 1005[0402], 1608[0603], 2012[0805], 3216[1206], 3225[1210]				HTF Series Chip Inductor Precision Winding [High Q] Ferrite Type Inductance: 0.02~680uH Tolerance: J: ± 5%; K: ± 10% DCR: 0.028~90 Ω Rated Current: 0.01~2.5 A Profile Feature: Lead-Free Size: 1005[0402], 1608[0603], 2012[0805], 3216[1206], 3225[1210]			

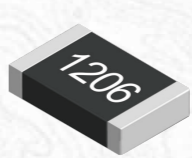
Power Inductors

HDFL Series of Multilayer Chip Ferrite Large Current Inductor Inductance: 1~22uH Tolerance: K: ±10%; M: ±20%; N: ±30% DCR: 0.1~1.0 Ω Irms: 0.1~2.0 A Profile Feature: Lead-Free Size: 1608[0603], 2012[0805], 2016[0806], 2520[1008]				<p>SMD power inductors have the characteristics of high permeability, high current, low impedance, low loss, small size, etc.</p> <p>Main applications: Automotive power conversion, DC/DC converters, Switch-mode power supplies, High-current PoL, Power supplies, Digital product, Network communication, etc.</p>			
HPIIM Series Power Inductor Small Size Molding Type Inductance: 0.11~2.2uH Tolerance: K: ±10%; M: ±20%; N: ±30% DCR: 0.01~200 Ω Isat: 2.0~10 A Irms: 1.8~6.0 A Profile Feature: Lead-Free Size: 201208, 201210, 201610, 202510				HAPM Series Power Inductor Big Size Molding Type Inductance: 0.47~22uH Tolerance: K: ±10%; M: ±20%; N: ±30% DCR: 1.3~200 Ω Isat: 2.0~10 A Irms: 1~40 A Profile Feature: Lead-Free Size: 0420, 0530, 0630, 1040, 1335, 1350, 1365			
HPIH Series Power Inductor Wire Wound[NR] Ferrite Type Inductance: 0.2~5uH Tolerance: K: ±10%; M: ±20%; N: ±30% DCR: 0.02~2.5 Ω Isat: 0.3~6 A Irms: 0.2~5 A Profile Feature: Lead-Free Size: 201610, 252010, 252012				HPIE Series Power Inductor Wire Wound[NR] Ferrite Type Inductance: 0.2~30uH Tolerance: K: ±10%; M: ±20%; N: ±30% DCR: 0.02~2 Ω Isat: 0.3~5 A Irms: 0.2~5 A Profile Feature: Lead-Free Size: 201608, 201610, 252008, 202010			
HPIA / HPIAL Series Power Inductor Wire Wound[NR] Alloy Type Inductance: 0.2~10uH Tolerance: K: ±10%; M: ±20%; N: ±30% DCR: 0.01~2 Ω Isat: 0.1~10 A Irms: 0.1~50 A Profile Feature: Lead-Free Size: 201608, 201610, 252008, 252010, 252012, 3012, 3015				HPIT Series Power Inductor Wire Wound[NR] Ferrite Type Inductance: 0.4~6800uH Tolerance: K: ±10%; M: ±20%; N: ±30% DCR: 0.007~30 Ω Isat: 0.2~20 A Irms: 0.1~10 A Profile Feature: Lead-Free Size: 252010, 252012, 3010, 3012, 3015, 4012, 4018, 4020, 4030, 5020, 5040, 6028, 6045, 8040, 8065			
HDGDH Series Power Inductor Coil Type [Whole Shield] Inductance: 3~100uH Tolerance: K: ±10%; M: ±20%; N: ±30% DCR: 0.015~0.5 Ω Isat: 0.5~6 A Irms: 0.5~7 A Profile Feature: Lead-Free Size: 8D28, 8D38, 8D43				HDCDRH Series Power Inductor Coil Type [Whole Shield] Inductance: 1~350uH Tolerance: K: ±10%; M: ±20%; N: ±30% DCR: 0.005~2 Ω Isat: 0.5~10 A Irms: 0.5~7 A Profile Feature: Lead-Free Size: 104, 105			
HDSFD Series Power Inductor Coil Type [Whole Shield] Inductance: 1~100uH Tolerance: K: ±10%; M: ±20%; N: ±30% DCR: 0.01~2 Ω Rated Current: 0.2~4 A Profile Feature: Lead-Free Size: 2D11, 2D11HP, 4D18, 4D28, 5D18, 5D28, 6D28				HDSDRH Series Power Inductor Coil Type [Whole Shield] Inductance: 1~1000uH Tolerance: K: ±10%; M: ±20%; N: ±30% DCR: 0.005~10 Ω Rated Current: 0.1~10 A Profile Feature: Lead-Free Size: 73, 74, 124, 125, 127			
HDSL Series Power Inductor Coil Type [Whole Shield] Inductance: 1~1000uH Tolerance: K: ±10%; M: ±20%; N: ±30% DCR: 0.01~4 Ω Rated Current: 0.1~5 A Profile Feature: Lead-Free Size: 0628, 0645, 0745, 0755, 10145, 12555				HDS Series Power Inductor Coil Type [No Shield] Inductance: 1~500uH Tolerance: K: ±10%; M: ±20%; N: ±30% DCR: 0.03~2 Ω Rated Current: 0.2~4 A Profile Feature: Lead-Free Size: HDSD32, HDSD43, HDSD54, HDSD75			

Common Mode Choke Coil

HDRC Series Winding Wire Common Mode Choke Coil Impedance: 1~3500 Ω Tolerance: ±25% DCR: 0.01~3 Ω Rated Current: 0.1~3 A Profile Feature: Lead-Free Size: 2012M, 1210M, 3216M, 3225M, 4520M, 4532M, 7060M				<p>Hongda HDRC Series Winding Wire Common Mode Choke Coil Features:</p> <ol style="list-style-type: none"> 1. Wire-wound patch structure, small size 2. Good suppression effect on high frequency common mode noise 3. Good solderability and resistance to soldering 4. Lead-free and RoHS REACH compliant <p>APPLICATIONS</p> <p>USB interface of PC and peripherals, LVDS line of LCD</p>	
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Thick Film Chip Resistors

Thick Film Chip Resistors Size: 01005[0402], 0201[0603], 0402[1005], 0603[1608], 0805[2012], 1206[3216], 1210[3225], 1812[4532], 2010[5025], 2512[6332]				<p>Small size & light weight.</p> <p>RoHS, REACH, Halogen free compliances.</p> <p>Reduction of assembly costs and matching with placement machine.</p> <p>Suitable for both wave & re-flow soldering.</p> <p>Applications: Navigator (GPS), Mobile Phone, Telecom, PDA, Set box, Meter, etc</p>	
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