

COMMON MODE FILTERS 共模滤波器

CTB16A-SERIES

FEATURES

- Very high permeability nanocrystalline core material
- Improved isolation through plastic case and winding spacer
- High and stable inductance values up to 150 $^{\circ}\text{C}$
- High rated currents
- Broadband suppression
- Frequency range: 1 kHz-300 MHz
- Operating temperature: -40°C to $+125^{\circ}\text{C}$

APPLICATIONS

- Power electronics
- Power line in- and output filter
- Radio interference suppression in motors
- Suppression for common mode noise

DIMENSIONS AND SHAPES(mm)

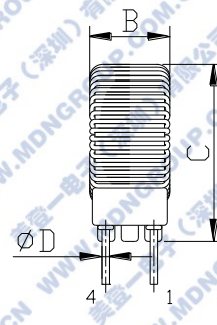
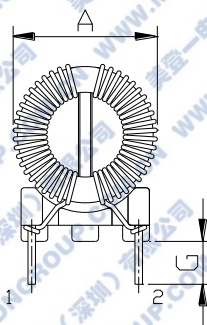
A max	B max	C max	D ref
15.0	7.5	16.0	0.7
E ± 0.5	F ± 0.5	G ± 1.0	
10.0	4.5	4.0	

特 征

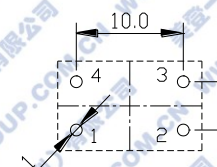
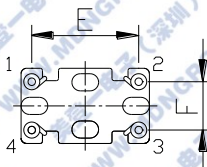
- 超高磁导率纳米晶芯材料
- 通过塑料外壳和绕组垫片改进隔离
- 高达 150°C 的稳定电感值
- 高额定电流
- 宽带抑制
- 频率范围: 1 kHz-300 MHz
- 工作温度: -40°C 至 $+125^{\circ}\text{C}$

用 途

- 电力电子设备
- 电源线输入和输出滤波器
- 电机中的无线电干扰抑制
- 共模噪声抑制



PCB LAYOUT



SPECIFICATION

MIDEN'S P/N	WURTH'S P/N	Inductance (mH) @10KHz/0.25V +50%/-30%	DC Resistance (m Ω) Max	Rated Current (A) Max	Rated Voltage (V) Max	Insulation Test Voltage (V) 50Hz/5mA/2S
CTB16A-L401	7448014501	0.4	22	4.5	250	1500
CTB16A-L501	7448013501	0.5	33	3.5	250	1500
CTB16A-L102	7448012501	1.0	55	2.5	250	1500
CTB16A-L162	7448012002	1.6	90	2.0	250	1500
CTB16A-L502	7448011305	5.0	200	1.3	250	1500
CTB16A-L802	7448011008	8.0	330	1.0	250	1500
CTB16A-L113	7448010911	11.0	430	0.9	250	1500

COMMON MODE FILTERS 共模滤波器

CTB22A-SERIES

FEATURES

- Very high permeability nanocrystalline core material
- Improved isolation through plastic case and winding spacer
- High and stable inductance values up to 150 $^{\circ}\text{C}$
- High rated currents
- Broadband suppression
- Frequency range: 1 kHz-300 MHz
- Operating temperature: -40°C to $+125^{\circ}\text{C}$

APPLICATIONS

- Power electronics
- Power line in- and output filter
- Radio interference suppression in motors
- Suppression for common mode noise

DIMENSIONS AND SHAPES(mm)

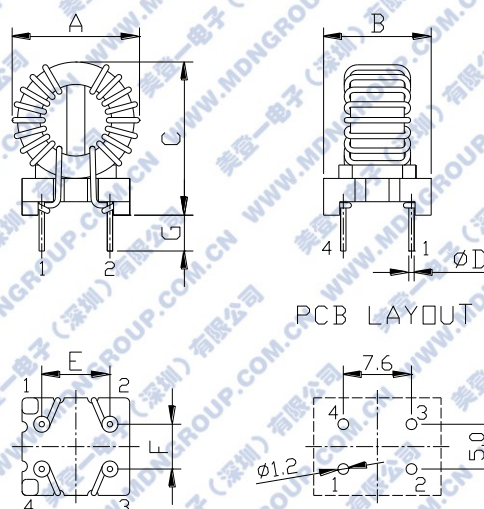
A max	B max	C max	D ± 0.1
18.0	14.0	22.0	0.6
E ± 0.5	F ± 0.5	G ± 1.0	
7.6	5.0	4.0	

特 征

- 超高磁导率纳米晶芯材料
- 通过塑料外壳和绕组垫片改进隔离
- 高达 150°C 的稳定电感值
- 高额定电流
- 宽带抑制
- 频率范围: 1 kHz-300 MHz
- 工作温度: -40°C 至 $+125^{\circ}\text{C}$

用 途

- 电力电子设备
- 电源线输入和输出滤波器
- 电机中的无线电干扰抑制
- 共模噪声抑制



SPECIFICATION

MIDEN'S P/N	WURTH'S P/N	Inductance (mH) @10KHz/0.25V +50%/-30%	DC Resistance (m Ω) Max	Rated Current (A) Max	Rated Voltage (V) Max	Insulation Test Voltage (V) 50Hz/5mA/2S
CTB22A-L102	7448027001	1.0	6	7	250	1500
CTB22A-L152	7448026002	1.5	8	6	250	1500
CTB22A-L252	7448025003	2.5	15	5	250	1500
CTB22A-L302	7448024503	3.0	22	4.5	250	1500
CTB22A-L502	7448023005	5.0	40	3	250	1500
CTB22A-L103	7448022010	10	85	2	250	1500
CTB22A-L303	7448021230	30	280	1.2	250	1500
CTB22A-L803	7448020680	80	1000	0.6	250	1500

COMMON MODE FILTERS 共模滤波器**CTB25A-SERIES****FEATURES**

- Very high permeability nanocrystalline core material
- Improved isolation through plastic case and winding spacer
- High and stable inductance values up to 150 $^{\circ}\text{C}$
- High rated currents
- Broadband suppression
- Frequency range: 1 kHz-300 MHz
- Operating temperature: -40°C to $+125^{\circ}\text{C}$

APPLICATIONS

- Power electronics
- Power line in- and output filter
- Radio interference suppression in motors
- Suppression for common mode noise

DIMENSIONS AND SHAPES(mm)

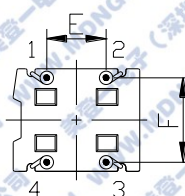
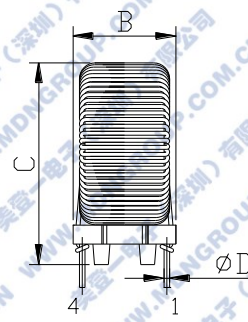
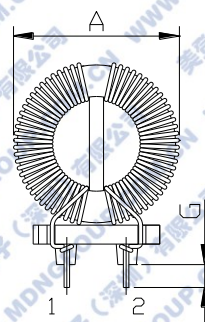
A max	B max	C max	D ref
23.0	15.0 / 17.0	25.0	0.7
$E \pm 0.5$	$F \pm 0.5$	$G \pm 1.0$	$H \pm 1.0$
7.5	10.7	4.0	

特 征

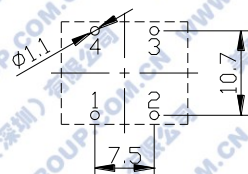
- 超高磁导率纳米晶芯材料
- 通过塑料外壳和绕组垫片改进隔离
- 高达 150°C 的稳定电感值
- 高额定电流
- 宽带抑制
- 频率范围: 1 kHz-300 MHz
- 工作温度: -40°C 至 $+125^{\circ}\text{C}$

用 途

- 电力电子设备
- 电源线输入和输出滤波器
- 电机中的无线电干扰抑制
- 共模噪声抑制



PCB LAYOUT

**SPECIFICATION**

MIDEN'S P/N	WURTH'S P/N	Inductance (mH) @10KHz/0.25V $\pm 50\%$	DC Resistance (m Ω) Max	Rated Current (A) Max	Rated Voltage (V) Max	Insulation Test Voltage (V) 50Hz/5mA/2S
CTB25A-L102	7448031501	1.0	3.3	15	250	1500
CTB25A-L202	7448031002	2.0	6.0	10	250	1500
CTB25A-L902	7448030509	9.0	28	5.0	250	1500
CTB25A-L173	7448030417	17.0	50	4.0	250	1500
CTB25A-L333	7448033033	33.0	90	2.5	250	1500

COMMON MODE FILTERS 共模滤波器

CTB32A-SERIES

FEATURES

- Very high permeability nanocrystalline core material
- Improved isolation through plastic case and winding spacer
- High and stable inductance values up to 150 °C
- High rated currents
- Broadband suppression
- Frequency range: 1 kHz-300 MHz
- Operating temperature: -40°C to +125°C

APPLICATIONS

- Power electronics
- Power line in- and output filter
- Radio interference suppression in motors
- Suppression for common mode noise

DIMENSIONS AND SHAPES(mm)

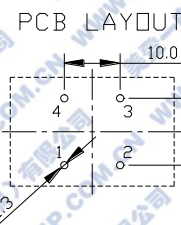
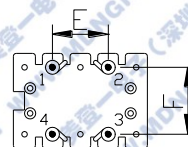
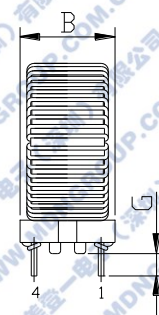
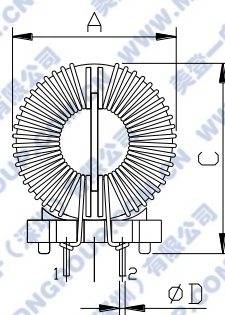
A max	B max	C max	D ref
28.0 ~ 30.0	19.0	32.0	1.0
E ± 0.5	F ± 0.5	G ± 1.0	H ± 1.0
10.0	12.0	4.0	

特 征

- 超高磁导率纳米晶芯材料
- 通过塑料外壳和绕组垫片改进隔离
- 高达 150°C 的稳定电感值
- 高额定电流
- 宽带抑制
- 频率范围: 1 kHz-300 MHz
- 工作温度: -40°C 至+125°C

用 途

- 电力电子设备
- 电源线输入和输出滤波器
- 电机中的无线电干扰抑制
- 共模噪声抑制



SPECIFICATION

MIDEN'S P/N	WURTH'S P/N	Inductance (mH) @10KHz/0.25V +50%/-30%	DC Resistance (mΩ) Max	Rated Current (A) Max	Rated Voltage (V) Max	Insulation Test Voltage (V) 50Hz/5mA/2S
CTB32A-L102	7448042001	1.0	2.4	20	250	1500
CTB32A-L152	7448041801	1.5	3.2	18	250	1500
CTB32A-L202	7448041502	2.0	5.0	15	250	1500
CTB32A-L402	7448041104	4.0	8.5	11	250	1500
CTB32A-L702	7448040707	7.0	20	7	250	1500
CTB32A-L153	7448040515	15	38	5	250	1500
CTB32A-L353	7448040435	35	80	3.5	250	1500
CTB32A-L823	7448040382	82	170	2.5	250	1500

COMMON MODE FILTERS 共模滤波器

CTB39A-SERIES

FEATURES

- Very high permeability nanocrystalline core material
- Improved isolation through plastic case and winding spacer
- High and stable inductance values up to 150 $^{\circ}\text{C}$
- High rated currents
- Broadband suppression
- Frequency range: 1 kHz-300 MHz
- Operating temperature: -40°C to $+125^{\circ}\text{C}$

APPLICATIONS

- Power electronics
- Power line in- and output filter
- Radio interference suppression in motors
- Suppression for common mode noise

DIMENSIONS AND SHAPES(mm)

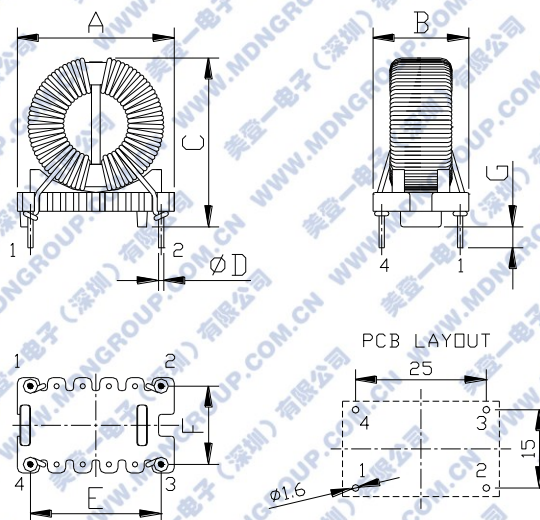
A max	B max	C max	D ref
33.0~37.0	19.0~23.0	34.0~39.0	1.2
E ± 0.5	F ± 0.5	G ± 1.0	H ± 1.0
25.0	15.0	5.0	

特 征

- 超高磁导率纳米晶芯材料
- 通过塑料外壳和绕组垫片改进隔离
- 高达 150°C 的稳定电感值
- 高额定电流
- 宽带抑制
- 频率范围: 1 kHz-300 MHz
- 工作温度: -40°C 至 $+125^{\circ}\text{C}$

用 途

- 电力电子设备
- 电源线输入和输出滤波器
- 电机中的无线电干扰抑制
- 共模噪声抑制



SPECIFICATION

MIDEN'S P/N	WURTH'S P/N	Inductance (mH) @10KHz/0.25V +50%/-30%	DC Resistance (m Ω) Max	Rated Current (A) Max	Rated Voltage (V) Max	Insulation Test Voltage (V) 50Hz/5mA/2S
CTB39A-L901	7448053201	0.9	1.1	32	250	1500
CTB39A-L252	7448052502	2.5	2.2	25	250	1500
CTB39A-L302	7448052303	3.0	3.0	23	250	1500
CTB39A-L702	7448051307	7.0	8.0	13	250	1500
CTB39A-L123	7448051012	12	15	10	250	1500
CTB39A-L303	7448050530	30	46	5.0	250	1500
CTB39A-L903	7448050490	90	110	3.5	250	1500
CTB39A-L194	7448050219	190	310	2.0	250	1500

COMMON MODE FILTERS 共模滤波器

CTB46A-SERIES

FEATURES

- Very high permeability nanocrystalline core material
- Improved isolation through plastic case and winding spacer
- High and stable inductance values up to 150 $^{\circ}\text{C}$
- High rated currents
- Broadband suppression
- Frequency range: 1 kHz-300 MHz
- Operating temperature: -40°C to $+125^{\circ}\text{C}$

APPLICATIONS

- Power electronics
- Power line in- and output filter
- Radio interference suppression in motors
- Suppression for common mode noise

DIMENSIONS AND SHAPES(mm)

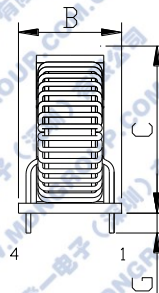
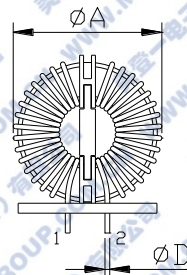
A max	B max	C max	D ref
42.0~47.0	27.0	46.0	By P/N
$E \pm 0.5$	$F \pm 0.5$	$G \pm 1.0$	$H \pm 1.0$
10.0	21.0	5.0	By P/N

特 征

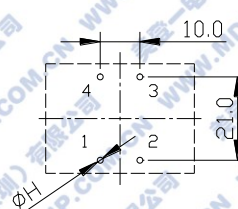
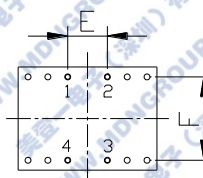
- 超高磁导率纳米晶芯材料
- 通过塑料外壳和绕组垫片改进隔离
- 高达 150°C 的稳定电感值
- 高额定电流
- 宽带抑制
- 频率范围: 1 kHz-300 MHz
- 工作温度: -40°C 至 $+125^{\circ}\text{C}$

用 途

- 电力电子设备
- 电源线输入和输出滤波器
- 电机中的无线电干扰抑制
- 共模噪声抑制



PCB LAYOUT



SPECIFICATION

MIDEN P/N	WURTH'S P/N	Inductance (mH) @10KHz/0.25V +50%/-30%	DC Resistance (m Ω) Max	Rated Current (A) Max	Rated Voltage (V) Max	Insulation Test Voltage (V) 50Hz/5mA/2S
CTB46A-L302	7448062603	3.0	4.5	26	250	1500
CTB46A-L502	7448062105	5.0	6.5	21	250	1500
CTB46A-L702	7448061507	7.0	9.5	15	250	1500
CTB46A-L902	7448061309	9.0	15	13	250	1500
CTB46A-L153	7448060814	14	27	8	250	1500
CTB46A-L203	7448060620	20	45	6	250	1500
CTB46A-L353	7448060535	35	90	5	250	1500

COMMON MODE FILTERS 共模滤波器**CTB42AR-SERIES****FEATURES**

- Very high permeability nanocrystalline core material
- Improved isolation through plastic case and winding spacer
- High and stable inductance values up to 150 $^{\circ}\text{C}$
- High rated currents
- Broadband suppression
- Frequency range: 1 kHz-300 MHz
- Operating temperature: -40°C to $+125^{\circ}\text{C}$

APPLICATIONS

- Power electronics
- Power line in- and output filter
- Radio interference suppression in motors
- Suppression for common mode noise

DIMENSIONS AND SHAPES(mm)

A max	B max	C max	D ref
42.0	27.0	46.0	By P/N
$E \pm 0.5$	$F \pm 0.5$	$G \pm 1.0$	$H \pm 1.0$
18.0	22.0	5.0	By P/N

特 征

- 超高磁导率纳米晶芯材料
- 通过塑料外壳和绕组垫片改进隔离
- 高达 150°C 的稳定电感值
- 高额定电流
- 宽带抑制
- 频率范围: 1 kHz-300 MHz
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- 电力电子设备
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- 电机中的无线电干扰抑制
- 共模噪声抑制

SPECIFICATION

P/N	Inductance (mH) @10KHz/0.25V Min	DC Resistance (m Ω) Max	Rated Current (A) Max	Rated Voltage (V) Max	Insulation Test Voltage (V) 50Hz/5mA/2S	Dimensions Dia D&H (mm) Max
CTB42AR-L103	10	15	28	250	1500	D:1.5;H:2.2
CTB42AR-L153	15	20	24	250	1500	D:1.4;H:2.2
CTB42AR-L203	20	25	18	250	1500	D:1.3;H:2.0
CTB42AR-L303	30	30	15	250	1500	D:1.2;H:1.8
CTB42AR-L503	50	35	12	250	1500	D:1.1;H:1.6
CTB42AR-L803	80	50	8	250	1500	D:1.0;H:1.5

