

Common Mode Chock UU9.8/ UU10.5 series

DCC no. CKU001-A released: 2022.02.22

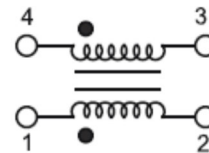
◆ Product introduction

- UU9.8 and UU10.5 are two types of filters that are manufactured by winding wires around a magnetic core. They are designed to reduce line-conducted common-mode noise, which is caused by common-mode currents in the line. These inductors provide effective rejection of common-mode noise over a wide frequency range.
- UU9.8 and UU10.5 features are suitable for signal line applications. For those applications that require clear and accurate signal transmission, these inductors can provide reliable noise suppression to maintain signal quality.
- UU9.8 filter also provides a horizontal configuration option. The nature of this horizontal configuration allows UU9.8

filters to be reduced in height to less than 13 mm, so they are easier to adapt to those applications where height is restricted. This feature can help designers better optimize designs without sacrificing performance.

◆ Product principle

- Isolation: (1 minute at 50 Hz / 4 mA)
Between windings: 1500 V AC
Between windings and core: 1500 V AC
- Insulation Resistance: >100 MΩ at 500 V DC
- Schematic:

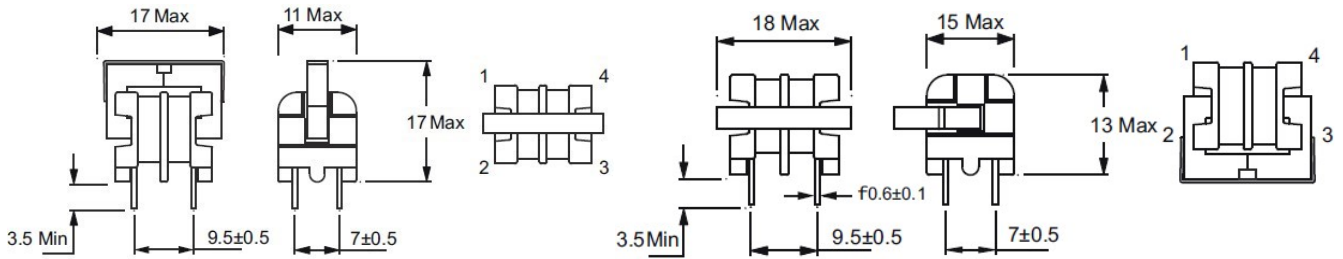


◆ UU 9.8

UU9.8 series						
P/N	(L*W*H)mm	(Core Mounting)	Inductance mH(Min)	Current Rating mA(Steady state)	Leakage Inductance uH(Typical)	DC Resistance Ohms(Max)
CKU98H-01	18*15*13	Horizontal	2.20	350.00	40	0.38
CKU98V-01	17*11*17	Vertical	2.20	350.00	40	0.38
CKU98H-02	18*15*13	Horizontal	3.90	290.00	70	0.63
CKU98V-02	17*11*17	Vertical	3.90	290.00	70	0.63
CKU98H-03	18*15*13	Horizontal	5.60	250.00	100	0.90
CKU98V-03	17*11*17	Vertical	5.60	250.00	100	0.90
CKU98H-04	18*15*13	Horizontal	8.20	250.00	133	1.10
CKU98V-04	17*11*17	Vertical	8.20	250.00	133	1.10
CKU98H-05	18*15*13	Horizontal	9.10	175.00	160	1.60
CKU98V-05	17*11*17	Vertical	9.10	175.00	160	1.60
CKU98H-06	18*15*13	Horizontal	15.00	150.00	300	2.75
CKU98V-06	17*11*17	Vertical	15.00	150.00	300	2.75
CKU98H-07	18*15*13	Horizontal	22.00	150.00	355	2.98
CKU98V-07	17*11*17	Vertical	22.00	150.00	355	2.98
CKU98H-08	18*15*13	Horizontal	30.00	120.00	525	4.50
CKU98V-08	17*11*17	Vertical	30.00	120.00	525	4.50
CKU98H-09	18*15*13	Horizontal	36.00	85.00	625	6.00
CKU98V-09	17*11*17	Vertical	36.00	85.00	625	6.00

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◆ UU 10.5

UU10.5 series						
P/N	(L*W*H)mm	(Core Mounting)	Inductance mH(Min)	Current Rating mA(Steady state)	Leakage Inductance uH(Typical)	DC Resistance Ohms(Max)
CKU10V-01	18*16*20	Vertical	0.75	1.20	15	0.13
CKU10V-02	18*16*20	Vertical	1.50	1.00	25	0.15
CKU10V-03	18*16*20	Vertical	2.20	0.75	40	0.23
CKU10V-04	18*16*20	Vertical	3.00	0.60	55	0.35
CKU10V-05	18*16*20	Vertical	5.60	0.50	105	0.58
CKU10V-06	18*16*20	Vertical	8.20	0.40	150	0.87
CKU10V-07	18*16*20	Vertical	12.00	0.30	240	1.50
CKU10V-08	18*16*20	Vertical	22.00	0.25	330	2.25
CKU10V-09	18*16*20	Vertical	39.00	0.20	700	3.20
CKU10V-10	18*16*20	Vertical	47.00	0.18	800	4.10

