Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

Common Mode Choke Coils

For general signal line

UF series

Type: **Compact and two sections bobbin type**
UF1717VB/HB

Issue date: September 2011

- All specifications are subject to change without notice.
- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

Common Mode Choke Coils For Signal Line

Conformity to RoHS Directive

UF Series

TDK's compact type common mode choke coils are suitable for protecting telephone circuitry from interference such as radio broadcasts or noise conducted from the DC side of an AC adapter.

FEATURES

- Compact size and lightweight.
- High reduction over a wide range of frequencies.

PRODUCT IDENTIFICATION

UF	□□□□	V	-	B	□□□Y	□R□	-	01
(1)	(2)	(3)		(4)	(5)	(6)		(7)

(1) Core shape
UF: U-type core
(2) Dimensional code
Width×Depth
(3) External shape code
V: Vertical type H: Horizontal type
(4) High μ material
(5) Inductance value
Example) 153:15mH
(6) Rated current value
Example) 0R3:0.3A
(7) Product management number

SELECTION CHART

Series	Configuration	Type	Inductance value min.	Rated current (A)	Handling power* $L \times I^2$ ($mH \times A^2$)	Weight (g)typ.	Minimum package quantity (pieces/box)
UF	Two sections bobbin types	UF1717VB	7, 15mH	0.15 to 0.3	0.3	4	640
		UF1717HB	7, 15mH	0.15 to 0.3	0.3	4	480

* Handling power=(Inductance value)×(Current)^2. It is possible to design within the range below this value.
[Example] The coil for 2A can make even the inductance of 2.5mH or less a product for handling power 10.

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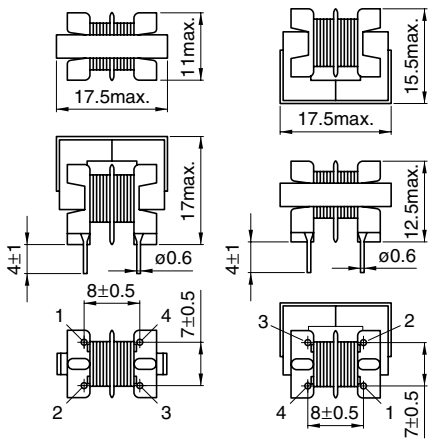
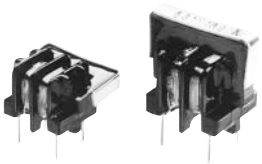
Compact and Separable Bobbin Type UF Series

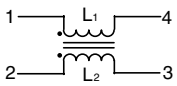
UF1717VB/UF1717HB TYPES

SHAPES AND DIMENSIONS/CIRCUIT DIAGRAM

UF1717VB UF1717HB





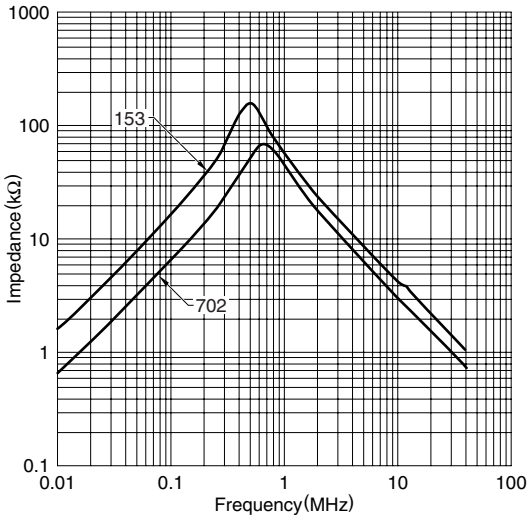


Weight: 4g typ.

Recommended hole diameter: ø1.1
Dimensions in mm

TYPICAL ELECTRICAL CHARACTERISTICS

IMPEDANCE vs. FREQUENCY CHARACTERISTICS



ELECTRICAL CHARACTERISTICS (STANDARD LINE UP)

Part No.	Inductance (mH)min.	DC resistance (Ω)max.	Rated current Iac(A)max.
UF1717VB-153YR15-01	15	5	0.15
UF1717VB-702Y0R3-01	7	2.5	0.3
UF1717HB-153YR15-01	15	5	0.15
UF1717HB-702Y0R3-01	7	2.5	0.3

• Measuring equipment of inductance value:
LCR meter(HP4261A, HP4263B or equivalent)[f=1kHz]

PACKAGING QUANTITIES

UF1717VB	640pieces/box
UF1717HB	480pieces/box

RATINGS

Item	Standard value	Conditions
Rated voltage(V)	50	DC
Insulation resistance (MΩ)	100min.	Between each winding for DC.500V
Temperature rise(°C)	45max.	With line resistance
Operating temperature range(°C)	–20 to +105	Including self-temperature rise
Storage temperature range(°C)	–20 to +60	
Resistance to soldering temperature*	260±5°C, 10±1sec	Solder bath method
	350±5°C, 5sec max.	Soldering iron method

* Pb free solder(Sn-3Ag-0.5Cu)