

# EBLUU Series

## Common Mode Chokes

**TRIGON**  
COMPONENTS



## FEATURES

- Common mode chokes for EMI/EMC main line and data line filters
- Excellent common mode interference suppression
- High insulation between windings
- Low cost and high performance
- Provide significant attenuation of common mode noise across a broad range of frequencies
- RoHS Compliant

## APPLICATIONS

- Signal line applications
- Switching power supplies
- Power supply circuits

## ORDERING CODE

**EBLUU 9.8 V – 15MH**

(1) (2) (3) (4)

- (1) Series Name
- (2) Size type  
H: for horizontal type  
V: for vertical type  
SH: for horizontal type with 4 sections  
SV: for vertical type with 4 sections
- (3) Product packaging method
- (4) Inductances value

## Configurations:

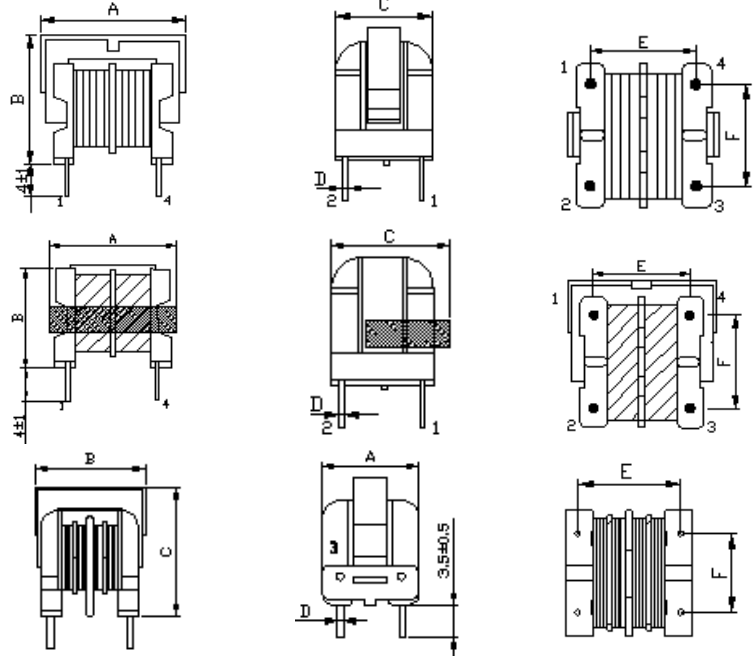
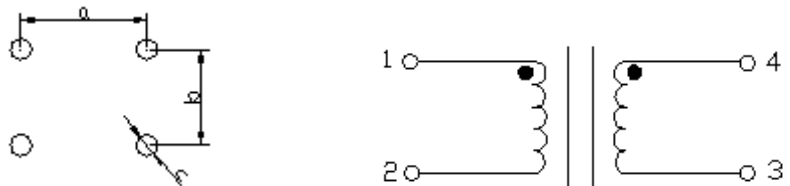


Fig.1

Fig.2

Fig.3

## Recommended Board Layout & Circuits:



## Dimensions (mm):

ITEM	A Max	B Max	C Max	D ±0.1	E ±0.5	F ±0.5	Fig.
EBLUU9.8V	17.5	17.0	11.0	06	8.0	7.0	1
EBLUU9.8H	17.5	12.5	15.5	0.6	8.0	7.0	2
EBLUU10.5V	17.0	22.0	19.5	0.7	13.0	10.0	1
EBLUU10.5SV	17.0	22.0	19.5	0.7	13.0	10.0	3
EBLUU10.5H	19.0	17.5	20.0	0.7	13.0	10.0	2
EBLUU15.7V	20.0	28.0	23.0	0.7	13.0	10.0	1
EBLUU15.7SV	20.0	23.0	28.0	0.7	13.0	10.0	3

## Recommended Board Layout (mm):

ITEM	a	b	c
EBLUU9.8V/H	8.0	7.0	1.0
EBLUU10.5V/H	13.0	10.0	1.2
EBLUU15.7V	13.0	10.0	1.2

# EBLUU Series

Common Mode Chokes---EBLUU9.8 series

**TRIGON**  
COMPONENTS

## Electrical Characteristics:

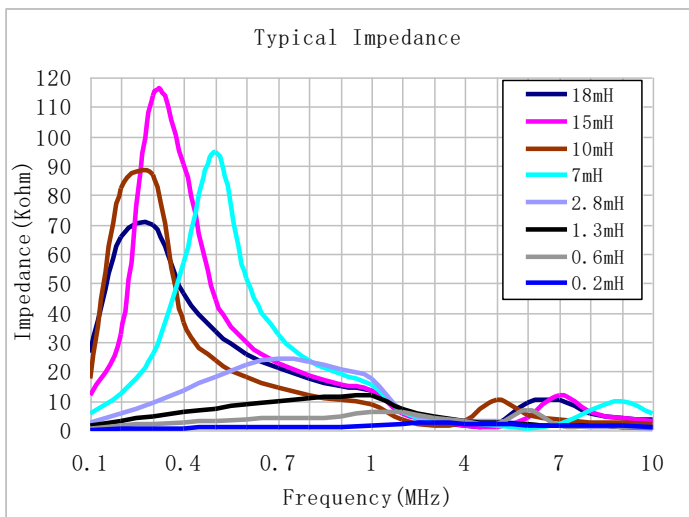
Item	Impedance(kΩ ) max	DCR(Ω) Max.	Rated Current Idc(A) Max.	Inductance L1,L2 Min(mH)	Inductance difference L1-L2 Max (mH)
EBLUU9.8H/V -18MH	69.8@300KHz	3.5	0.25	18	0.3
EBLUU9.8H/V -15MH	114@200KHz	5.0	0.15	15	0.2
EBLUU9.8H/V -7MH	24.3@700KHz	2.5	0.3	7.0	0.2
EBLUU9.8H/V -10MH	87@300KHz	3.5	0.25	10	0.2
EBLUU9.8H/V -2.8MH	94.6@500KHz	1.0	0.5	2.8	0.05
EBLUU9.8H/V -1.3MH	11.8@1000KHz	0.5	0.7	1.3	0.05
EBLUU9.8H/V -0.6MH	6.8@6000KHz	0.2	1.0	0.6	0.025
EBLUU9.8H/V -0.2MH	2.4@3000KHz	0.1	1.6	0.2	0.025

※ Inductance test at 1kHz/1v

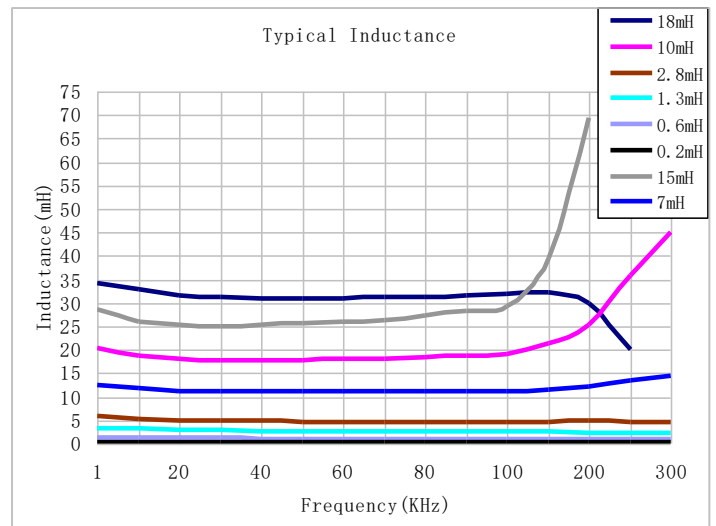
※ Customer specifications available on request.

※ MSL Rating: 2

## Curves (Impedance vs. Frequency):



## Curves (Inductance vs. Frequency):



# EBLUU Series

Common Mode Chokes---EBLUU10.5 series

**TRIGON**  
COMPONENTS

## Electrical Characteristics:

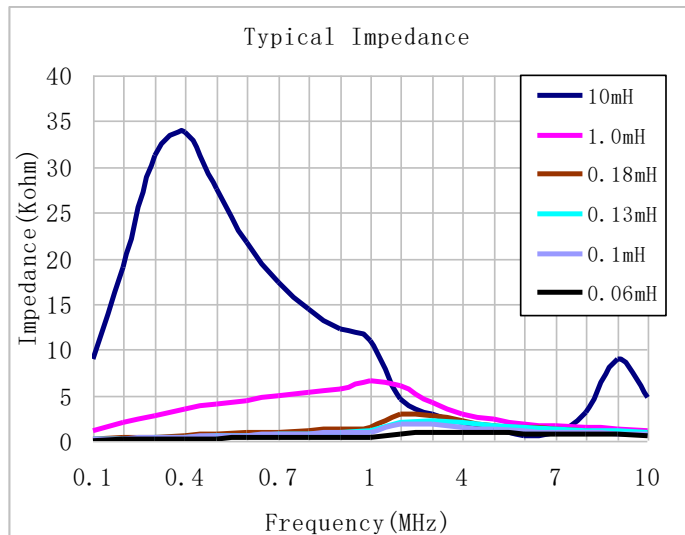
ITEM	Impedance(k $\Omega$ ) max	Resistance Rdc( $\Omega$ ) Max.	Rated Current Idc(A) Max.	Inductance L1,L2 Min(mH)	Inductance difference L1-L2 Max (mH)
EBLUU10.5H/V -10MH	33.71@400KHz	0.55	1.0	10	0.3
EBLUU10.5H/V -1.0MH	6.51@1000KHz	0.07	1.8	1.0	0.2
EBLUU10.5H/V -0.18MH	2.91@2000KHz	0.2	1.2	0.18	0.05
EBLUU10.5H/V -0.13MH	2.25@3000KHz	0.12	1.6	0.13	0.05
EBLUU10.5H/V -0.1MH	1.85@3000KHz	0.08	2.2	0.1	0.05
EBLUU10.5H/V -0.06MH	0.97@3000KHz	0.04	3.0	0.06	0.05

※ Inductance test at 1kHz/1v

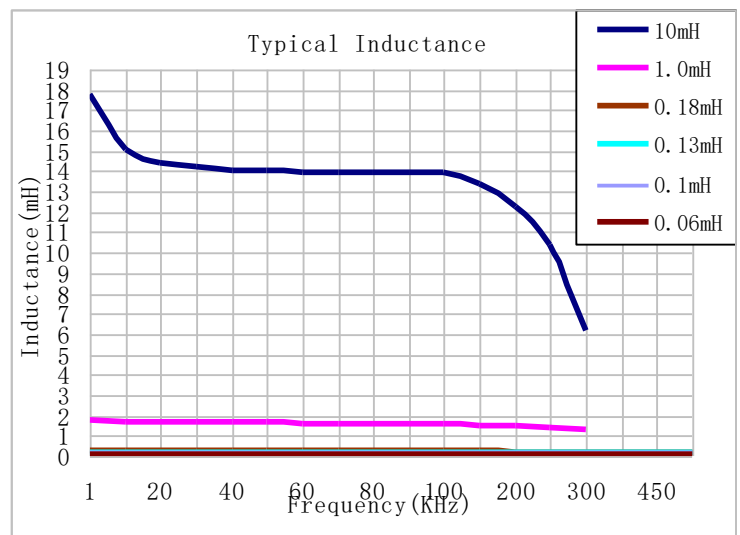
※ Customer specifications available on request.

※ MSL Rating: 2

## Curves (Impedance vs. Frequency):



## Curves (Inductance vs. Frequency):



# EBLUU Series

Common Mode Chokes---EBLUU10.5 series

**TRIGON**  
COMPONENTS

## Electrical Characteristics:

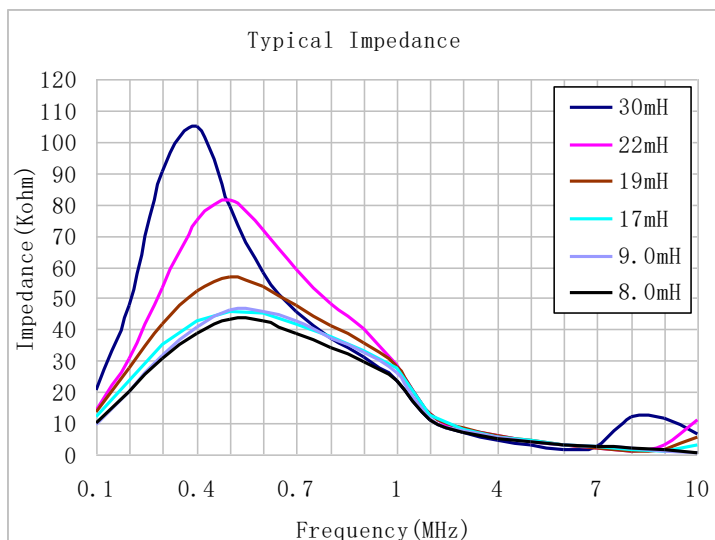
ITEM	Impedance(kΩ) max	Resistance Rdc(Ω) Max.	Rated Current Idc(A) Max.	Inductance L1,L2 Min(mH)	Inductance difference L1-L2 Max (mH)
EBLUU10.5SV -30MH	105@400KHz	1.3	0.5	30	0.3
EBLUU10.5SV -22MH	81.26@500KHz	1.0	0.56	22	0.3
EBLUU10.5SV -19MH	56.57@500KHz	0.9	0.56	19	0.3
EBLUU10.5SV -17MH	45.84@500KHz	0.85	0.65	17	0.3
EBLUU10.5SV -9MH	46.12@500KHz	0.55	0.7	9	0.3
EBLUU10.5SV -8MH	42.95@500KHz	0.45	0.85	8	0.3

※ Inductance test at 1kHz/1v

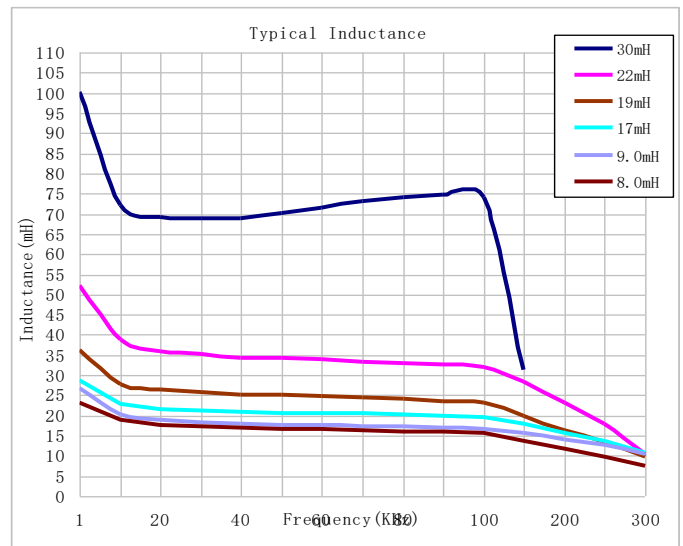
※ Customer specifications available on request.

※ MSL Rating: 2

## Curves (Impedance vs. Frequency):



## Curves (Inductance vs. Frequency):



# EBLUU Series

Common Mode Chokes---EBLUU15.7 series

**TRIGON**  
COMPONENTS

## Electrical Characteristics:

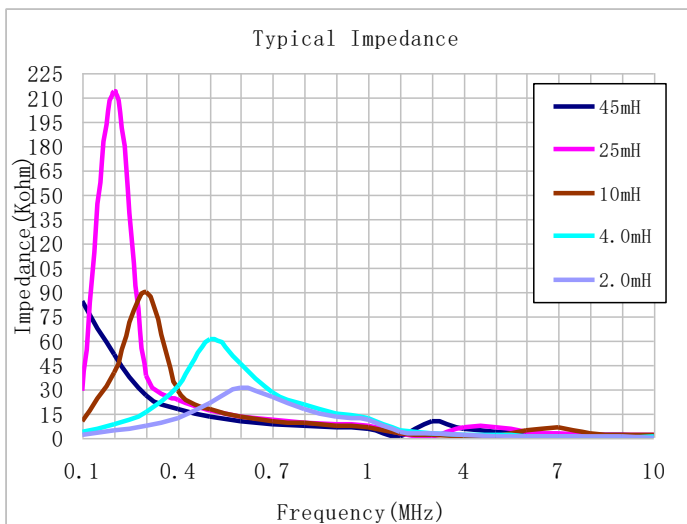
ITEM	Impedance(k $\Omega$ ) max	Resistance Rdc( $\Omega$ ) Max.	Rated Current Idc(A) Max.	Inductance L1,L2 Min(mH)	Inductance difference L1-L2 Max (mH)
EBLUU15.7V -45MH	84.5@100KHz	2.3	0.5	45	0.3
EBLUU15.7V -25MH	214@200KHz	1.3	0.7	25	0.3
EBLUU15.7V -10MH	90.09@300KHz	0.5	1.0	10	0.3
EBLUU15.7V -4MH	61.32@500KHz	0.3	1.5	4.0	0.3
EBLUU15.7V -2MH	30.81@600KHz	0.2	2.0	2.0	0.2

※ Inductance test at 1kHz/1v

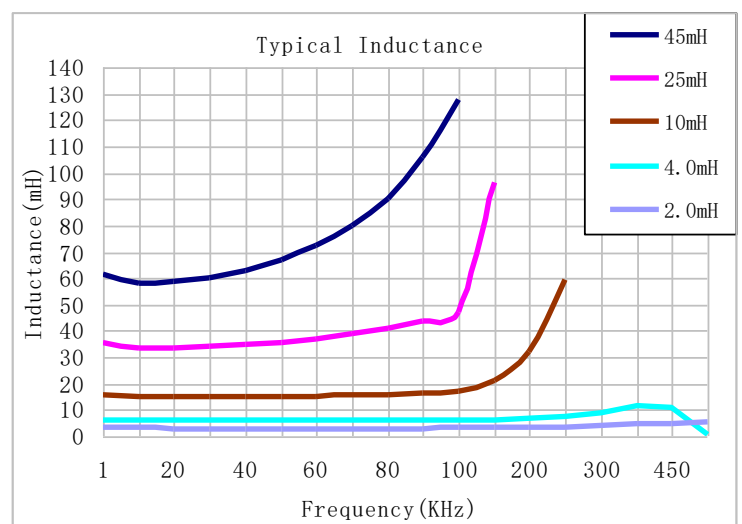
※ Customer specifications available on request.

※ MSL Rating: 2

## Curves (Impedance vs. Frequency):



## Curves (Inductance vs. Frequency):



# EBLUU Series

Common Mode Chokes---EBLUU15.7 series

**TRIGON**  
COMPONENTS

## Electrical Characteristics:

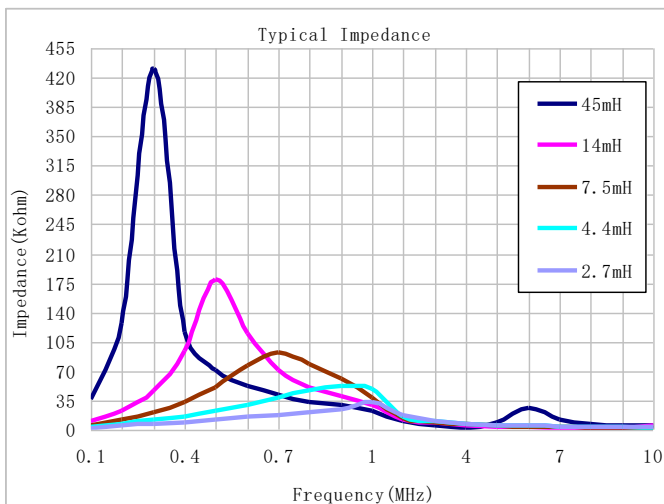
ITEM	Impedance(k $\Omega$ ) max	Resistance Rdc( $\Omega$ ) Max.	Rated Current Idc(A) Max.	Inductance L1,L2 Min(mH)	Inductance difference L1-L2 Max (mH)
EBLUU15.7SV -45MH	430@300KHz	3.0	0.4	45	0.3
EBLUU15.7SV -14MH	179.2@500KHz	1.0	0.7	14	0.3
EBLUU15.7SV -7.5MH	91.62@700KHz	0.6	1.0	7.5	0.3
EBLUU15.7SV -4.4MH	51.86@900KHz	0.3	1.3	4.4	0.3
EBLUU15.7SV -2.7MH	33.59@1000KHz	0.2	1.6	2.7	0.2

※ Inductance test at 1kHz/1v

※ Customer specifications available on request.

※ MSL Rating: 2

## Curves (Impedance vs. Frequency):



## Curves (Inductance vs. Frequency):

