

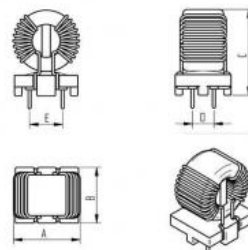
WE-CMB Common Mode Power Line Choke

Characteristics:

- With this product you can achieve high suppression of asymmetric interferences even at low frequency ranges
- Broadband screening because of low capacitance winding technique
- Very compact design
- Highest possible current with small sizes
- High interference compression asymmetric interference rates also at low frequency range
- Custom designs on request
- Operating temperature: -40 °C to +125 °C

Applications:

- Power electronics
- Power line in- and output filter
- For filtering of devices without a stable ground connection
- Radio interference suppression in motors
- Suppression for common mode noise



Dimensions

Size	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Download
Type XS	15.0	7.5	18.0	4.5	10.0	
Type S	17.5	13.0	22.0	5.0	7.7	
Type M	25.0	17.0	28.0	10.7	7.5	
Type L	27.5	18.5	33.0	12.0	10.0	
Type XL	30.0	22.0	35.0	15.0	25.0	
Type XXL	42.0	23.5	41.0	18.5	10.5	

Electrical properties

Type XS

	Order Code	Coil Ratio	L (mH)	I _R (A)	R _{DC} (mΩ)	U _T (V (AC))	U _R (V (AC))	Design
	744821201	2	1	2.0	44.5	1500	250	THT
	744821240	2	4	1.5	140	1500	250	THT
	744821150	2	5	1.0	200	1500	250	THT
	744821110	2	10	0.7	350	1500	250	THT
	744821120	2	20	0.5	1000	1500	250	THT
	744821039	2	39	0.3	3000	1500	250	THT

Electrical properties

Type S

	Order Code	Coil Ratio	L (mH)	I _R (A)	R _{DC} (mΩ)	U _T (V (AC))	U _R (V (AC))	Design
	744822301	2	1.0	3.0	35	1500	250	THT
	744822222	2	2.2	2.0	70	1500	250	THT
	744822233	2	3.3	1.5	120	1500	250	THT
	744822110	2	10	1.0	360	1500	250	THT
	744822120	2	20	0.5	540	1500	250	THT

Electrical properties**Type M**

	Order Code	Coil Ratio	L (mH)	I _R (A)	R _{DC} (mΩ)	U _T (V (AC))	U _R (V (AC))	Design
	744823601	2	1.0	6.0	13	1500	250	THT
	744823422	2	2.2	4.0	30	1500	250	THT
	744823333	2	3.3	2.5	60	1500	250	THT
	744823305	2	5.0	2.5	95	1500	250	THT
	744823210	2	10	2.0	125	1500	250	THT
	744823220	2	20	1.5	270	1500	250	THT

Electrical properties**Type L**

	Order Code	Coil Ratio	L (mH)	I _R (A)	R _{DC} (mΩ)	U _T (V (AC))	U _R (V (AC))	Design
	744824101	2	1.0	10.0	7	1500	250	THT
	744824622	2	2.2	6.0	20	1500	250	THT
	744824433	2	3.3	4.0	35	1500	250	THT
	744824310	2	10	3.0	105	1500	250	THT
	744824220	2	20	2.0	220	1500	250	THT

Electrical properties**Type XL**

	Order Code	Coil Ratio	L (mH)	I _R (A)	R _{DC} (mΩ)	U _T (V (AC))	U _R (V (AC))	Design
	7448251201	2	1.0	12.0	9	1500	250	THT
	7448258022	2	2.2	8.0	14	1500	250	THT
	7448256033	2	3.3	6.0	25	1500	250	THT
	744825605	2	5.0	6.0	45	1500	250	THT
	744825510	2	10	5.0	55	1500	250	THT
	744825320	2	20	3.0	160	1500	250	THT
	744825433	2	33	3.0	210	1500	250	THT

Electrical properties**Type XXL**

	Order Code	Coil Ratio	L (mH)	I _R (A)	R _{DC} (mΩ)	U _T (V (AC))	U _R (V (AC))	Design
	7448263505	2	0.5	35.0	1.7	1500	250	THT
	7448262510	2	1.0	25.0	3.6	1500	250	THT
	7448262013	2	1.3	20.0	4.7	1500	250	THT
	7448261418	2	1.8	14.0	7.9	1500	250	THT

PLEASE NOTE:

Do not underrate parasitic effects when using common mode chokes. It was the most important point to reduce these dues when developing WE-CMB series. The perfect core/winding-ratio enables very high currents at comparable areas, anyhow the inductance is sufficient. The adjusted wire gauge realises low heating.

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