

### Characteristics

- Approximate 1% stray inductance for symmetrical interference suppression
- Optimized frequency range: 10 kHz to 100 MHz
- Attenuation up to 65 dB
- Inductance tolerance: +50%/−30%
- Operating temperature: −40 °C to +125 °C

### Applications

- Mains filter
- Suppression of common mode noise
- Compact switch mode power supplies
- Electronic ballast applications (LED bulb)
- Lighting
- White goods

**Tiny design  
only 12.5 mm  
height**

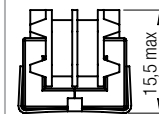
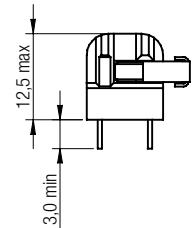
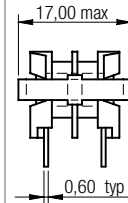
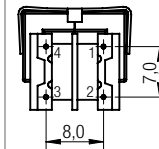
QR-Code



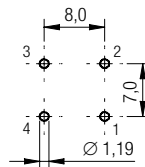
### Electrical properties

Order Code	L (mH)	I <sub>R</sub> (A)	R <sub>DC</sub> (Ω)	Qty.
744 861 018	1.8	1.00	0.31	725
744 861 033	3.3	0.80	0.51	
744 861 056	5.6	0.60	0.83	
744 861 082	8.2	0.50	1.30	
744 861 120	12.0	0.40	2.00	
744 861 180	18.0	0.30	3.10	
744 861 250	25.0	0.25	3.60	

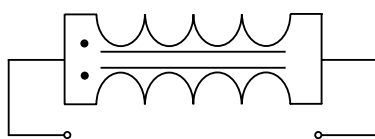
### Dimensions (in mm)



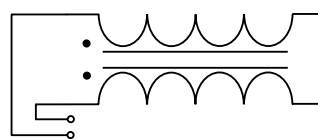
### Hole pattern (in mm)



### Schematics



Common Mode



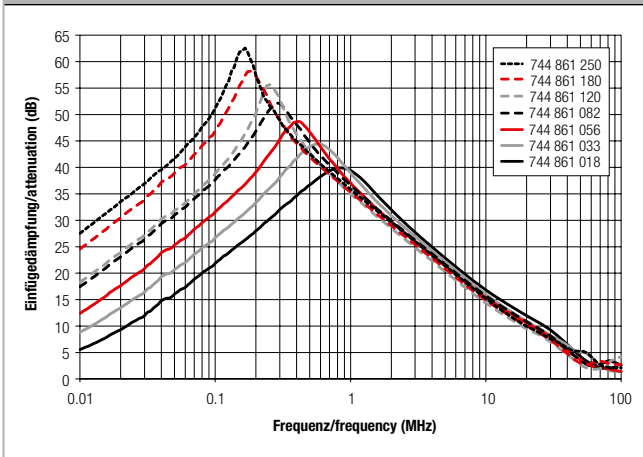
Differential Mode

### Technical data:

Rated voltage:	250 V <sub>AC</sub>
Frequency:	50/60 Hz
Insulation test voltage:	2000 V <sub>AC</sub>
Climate category:	40/125/21
Housing:	UL94 V-0
Rated Current:	relating to TU = 70 °C max. over TU = 70 °C apply:
	$I = I_h \cdot \sqrt{\frac{125\text{ °C} - TU}{55\text{ °C}}}$

## Common Mode Power Line Choke

Insertion loss common mode



Insertion loss differential mode

