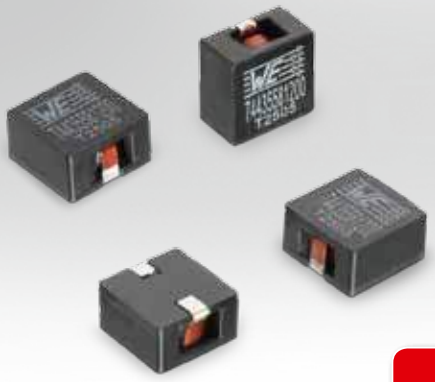
WE-HCI
SMD Flat Wire High Current Inductor
Size 2212



Characteristics
- Core material Manganese Zinc
- High current
- High inductance values
- Operating temperature: –40°C up to +125°C
- Low core losses, low self-heating

Applications
- Power PCs
- Industrial Computer/Server
- High Current/Low Voltage Buck or Boost
- Class-D Filter

QR-Code

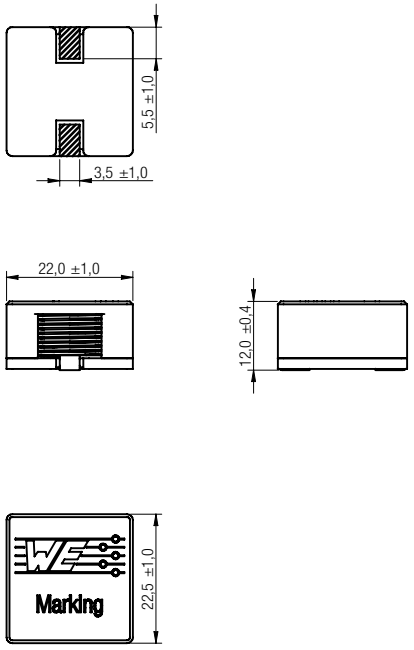
Up to 82 µH and 31 A

Electrical properties

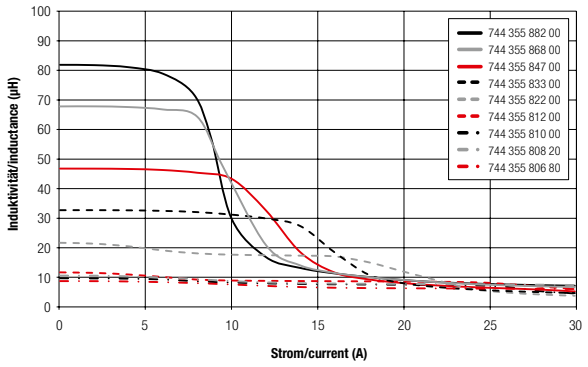
Order Code	L ±20% (µH)	L_R (µH)	R_{DC} ±10% (mΩ)	I_R (A)	I_{sat} (A)	Core Material	Qty.
744 355 806 80	6.8	4.82	2.10	28.5	31.0	MnZn	150
744 355 808 20	8.2	5.98	2.70	25.5	30.0		
744 355 810 00	10.0	7.80	3.40	21.0	26.0		
744 355 812 00	12.0	8.90	4.30	19.0	25.0		
744 355 822 00	22.0	17.7	7.00	15.0	18.0		
744 355 833 00	33.0	30.5	13.2	11.5	15.0		
744 355 847 00	47.0	45.2	19.2	9.0	12.0		
744 355 868 00	68.0	66.0	27.3	7.5	9.5		
744 355 882 00	82.0	76.0	30.4	7.0	8.5		

I_R referring to 50 K self-heating above ambient temperature
I_{sat} referring to inductance loss of 30% typ.

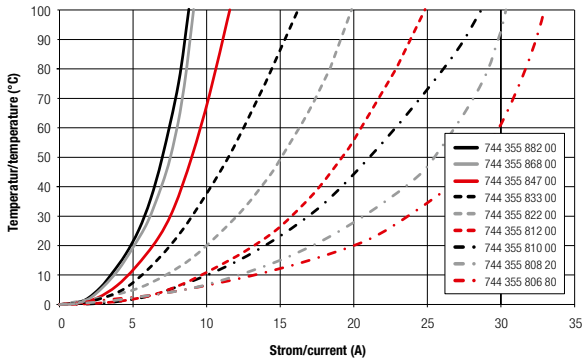
Dimensions (in mm)



Inductance vs. current



Temperature vs. current



Land pattern (in mm)