



Characteristics

- Core material: NiZn
- Flat wire power inductor
- Advanced operating temperature:
-40 °C up to +150 °C
- Magnetically shielded which results in a low leakage field
- Low self-losses
- High saturation current
- Flat wire coil for lower losses at high frequency ranges
- High Self Resonance Frequency

Applications

- Suitable for high frequency switching regulators

QR-Code

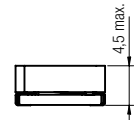
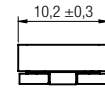
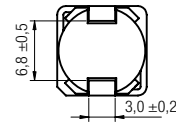


Electrical properties

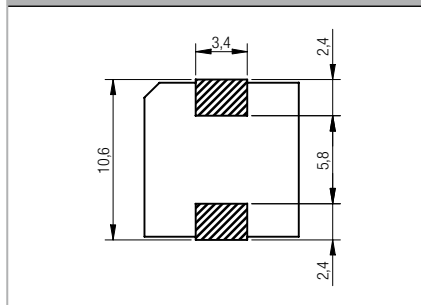
Order Code	L (µH)	Tolerance (%)	I _R (A)	I _{sat} (A)	R _{DC typ.} (mΩ)	R _{DC max.} (mΩ)	f _{res} (MHz)	Qty.
744 779 702 2	0.22	±30	16.00	32	2.9	3.5	328	500
744 779 705 0	0.5	±30	13.20	23	4.3	5.0	182	
744 779 711 0	1.1	±30	11.20	16	5.9	6.7	116	
744 779 718 0	1.8	±20	9.40	13	7.4	8.4	86	
744 779 725 0	2.5	±20	8.40	10.5	9.0	10.2	61	
744 779 736 0	3.6	±20	8.20	8.5	10.8	12.2	55	
744 779 747 0	4.7	±20	6.20	8.0	17.3	19.5	45	
744 779 762 0	6.2	±20	5.70	7.4	19.8	22.4	36	
744 779 782 0	8.2	±20	5.05	5.8	25.3	28.6	28	

I_s referring to 40 K self-heating above ambient temperature
 I_{10%} referring to inductance loss of 10% typ.

Dimensions (in mm)



Land pattern (in mm)



SMD Shielded Flatwire Power Inductor

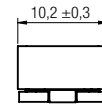
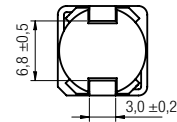
Size 1064

Electrical properties

Order Code	L (μ H)	Tolerance (%)	I _R (A)	I _{sat} (A)	R _{DC typ.} (m Ω)	R _{DC max.} (m Ω)	f _{res} (MHz)	Qty.
744 779 802 2	0.22	± 30	19.00	20.00	1.60	1.95	337	500
744 779 805 0	0.5	± 30	18.50	18.00	2.20	2.65	172	
744 779 811 0	1.1	± 30	16.50	16.00	3.00	3.50	104	
744 779 818 0	1.8	± 30	14.50	12.80	3.80	4.50	74	
744 779 825 0	2.5	± 30	13.70	10.10	4.40	4.95	57	
744 779 836 0	3.6	± 30	12.00	8.60	5.25	5.95	46	
744 779 847 0	4.7	± 30	9.50	7.60	7.40	8.40	44	
744 779 862 0	6.2	± 30	9.40	6.70	8.40	9.50	33	
744 779 872 0	7.2	± 30	7.90	6.00	11.30	12.80	31	
744 779 891 0	9.1	± 30	7.35	5.40	12.70	14.35	27	
744 779 811 1	11	± 20	6.90	5.30	14.00	15.80	25	
744 779 813 1	13	± 20	5.85	4.50	19.90	22.50	25	
744 779 815 1	15	± 20	5.45	4.00	21.80	24.60	19	
744 779 818 1	18	± 20	5.00	3.80	30.50	34.40	18	
744 779 822 1	22	± 20	4.70	3.50	33.00	37.30	17	
744 779 824 1	24	± 20	4.50	3.25	35.00	39.50	16	
744 779 827 1	27	± 20	4.30	3.10	37.60	42.50	15	

I_R referring to 40 K self-heating above ambient temperature
 I_{sat} referring to inductance loss of 10% typ.

Dimensions (in mm)



Land pattern (in mm)

