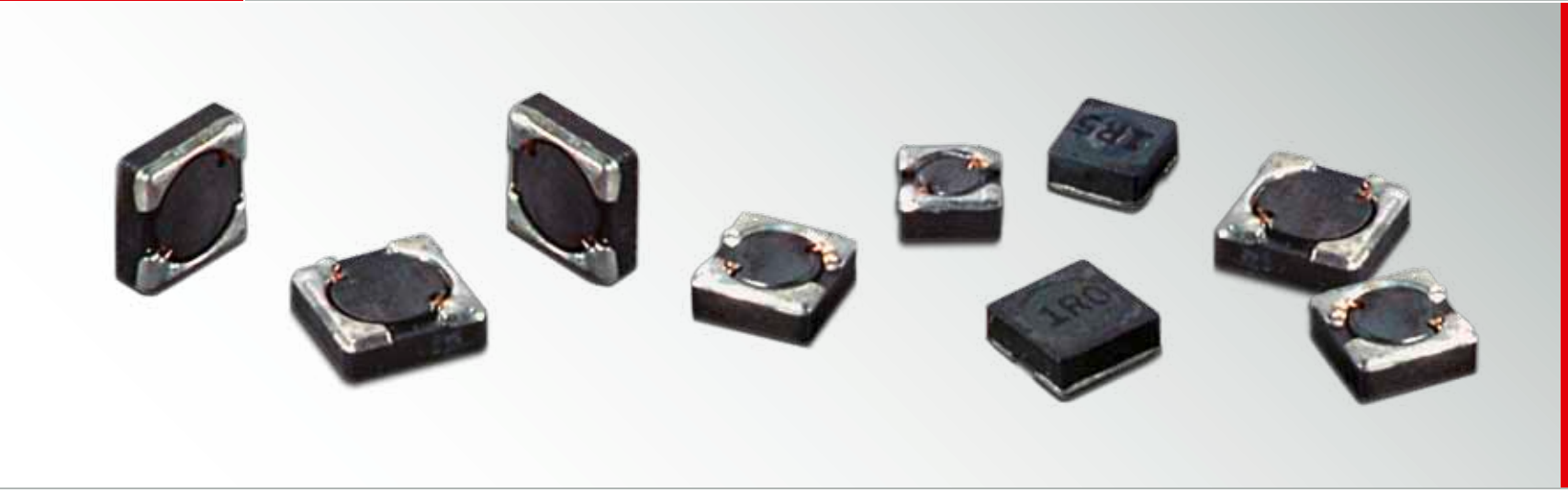
WÜRTH ELEKTRONIK

DESIGN KIT
WE-TPC SMD Shielded Tiny Power Inductor



SIZE:

2811 / 2813 / 2828 / 3816 / 4818

TECHNICAL DATA:

L:	0.72 ~ 15 µH
DCR:	24.5 ~ 550 mΩ
I_R:	0.6 ~ 2.8 A
I_{sat}:	0.45 ~ 3.6 A

Order Code 744 028
Version 1.0

WE-TPC
SMD Shielded Tiny Power Inductor

2811 2.8 x 2.8 x 1.1							
744 028 000 82	**744 028 001**	**744 028 002**	**744 028 003**	**744 028 004**	**744 028 006**	**744 028 100**
L: 0.82 µH	L: 1 µH	L: 2.2 µH	L: 3.3 µH	L: 4.7 µH	L: 6.8 µH	L: 10 µH
DCR: 53 mΩ	DCR: 65 mΩ	DCR: 125 mΩ	DCR: 185 mΩ	DCR: 265 mΩ	DCR: 325 mΩ	DCR: 550 mΩ
I_R: 2 A	I_R: 1.75 A	I_R: 1.3 A	I_R: 1 A	I_R: 0.85 A	I_R: 0.75 A	I_R: 0.6 A
I_{sat}: 1.6 A	I_{sat}: 1.5 A	I_{sat}: 1 A	I_{sat}: 0.85 A	I_{sat}: 0.7 A	I_{sat}: 0.55 A	I_{sat}: 0.45 A

2813 2.8 x 2.8 x 1.35							
744 029 008 2	**744 029 001**	**744 029 002**	**744 029 003**	**744 029 004**	**744 029 006**	**744 029 100**
L: 0.82 µH	L: 1 µH	L: 2.2 µH	L: 3.3 µH	L: 4.7 µH	L: 6.8 µH	L: 10 µH
DCR: 36 mΩ	DCR: 45 mΩ	DCR: 88 mΩ	DCR: 110 mΩ	DCR: 170 mΩ	DCR: 250 mΩ	DCR: 390 mΩ
I_R: 2.4 A	I_R: 2.2 A	I_R: 1.5 A	I_R: 1.25 A	I_R: 1 A	I_R: 0.82 A	I_R: 0.65 A
I_{sat}: 1.8 A	I_{sat}: 1.6 A	I_{sat}: 1.15 A	I_{sat}: 0.95 A	I_{sat}: 0.8 A	I_{sat}: 0.65 A	I_{sat}: 0.5 A

2828 2.8 x 2.8 x 2.8							
744 025 000 72	**744 025 001**	**744 025 002**	**744 025 003**	**744 025 004**	**744 025 006**	**744 025 100**
L: 0.72 µH	L: 1.2 µH	L: 2.2 µH	L: 3.3 µH	L: 4.7 µH	L: 6.8 µH	L: 10 µH
DCR: 24.5 mΩ	DCR: 36 mΩ	DCR: 57 mΩ	DCR: 88 mΩ	DCR: 104 mΩ	DCR: 148 mΩ	DCR: 168 mΩ
I_R: 2.8 A	I_R: 2.3 A	I_R: 1.8 A	I_R: 1.5 A	I_R: 1.35 A	I_R: 1.1 A	I_R: 1 A
I_{sat}: 3.6 A	I_{sat}: 2.8 A	I_{sat}: 2.2 A	I_{sat}: 1.8 A	I_{sat}: 1.6 A	I_{sat}: 1.3 A	I_{sat}: 1 A

3816 3.8 x 3.8 x 1.65							
744 031 001	**744 031 002**	**744 031 003**	**744 031 004**	**744 031 006**	**744 031 100**	**744 031 150**
L: 1.5 µH	L: 2.5 µH	L: 3.6 µH	L: 4.7 µH	L: 6.8 µH	L: 10 µH	L: 15 µH
DCR: 40 mΩ	DCR: 50 mΩ	DCR: 66 mΩ	DCR: 90 mΩ	DCR: 135 mΩ	DCR: 185 mΩ	DCR: 255 mΩ
I_R: 1.75 A	I_R: 1.45 A	I_R: 1.38 A	I_R: 1.2 A	I_R: 0.85 A	I_R: 0.74 A	I_R: 0.62 A
I_{sat}: 1.55 A	I_{sat}: 1.25 A	I_{sat}: 1.1 A	I_{sat}: 0.9 A	I_{sat}: 0.75 A	I_{sat}: 0.56 A	I_{sat}: 0.45 A

4818 4.8 x 4.8 x 1.8							
744 042 001	**744 042 002 7**	**744 042 003**	**744 042 004**	**744 042 006**	**744 042 008**	**744 042 100**
L: 1 µH	L: 2.7 µH	L: 3.3 µH	L: 4.7 µH	L: 6.8 µH	L: 8.2 µH	L: 10 µH
DCR: 28 mΩ	DCR: 47 mΩ	DCR: 55 mΩ	DCR: 70 mΩ	DCR: 95 mΩ	DCR: 101 mΩ	DCR: 120 mΩ
I_R: 2.7 A	I_R: 2.03 A	I_R: 1.95 A	I_R: 1.72 A	I_R: 1.5 A	I_R: 1.4 A	I_R: 1.3 A
I_{sat}: 2.6 A	I_{sat}: 2.2 A	I_{sat}: 1.8 A	I_{sat}: 1.65 A	I_{sat}: 1.2 A	I_{sat}: 1.1 A	I_{sat}: 1 A

Important information: Würth Elektronik's design kits contain reference components. These components correspond with the current product development status on the day of supply. Exchange of the reference components to components with up-to-date product development status is not carried out automatically. No liability is taken for the use of these reference components. Therefore, please request new samples prior to releases for series production and product release.

All products in stock!