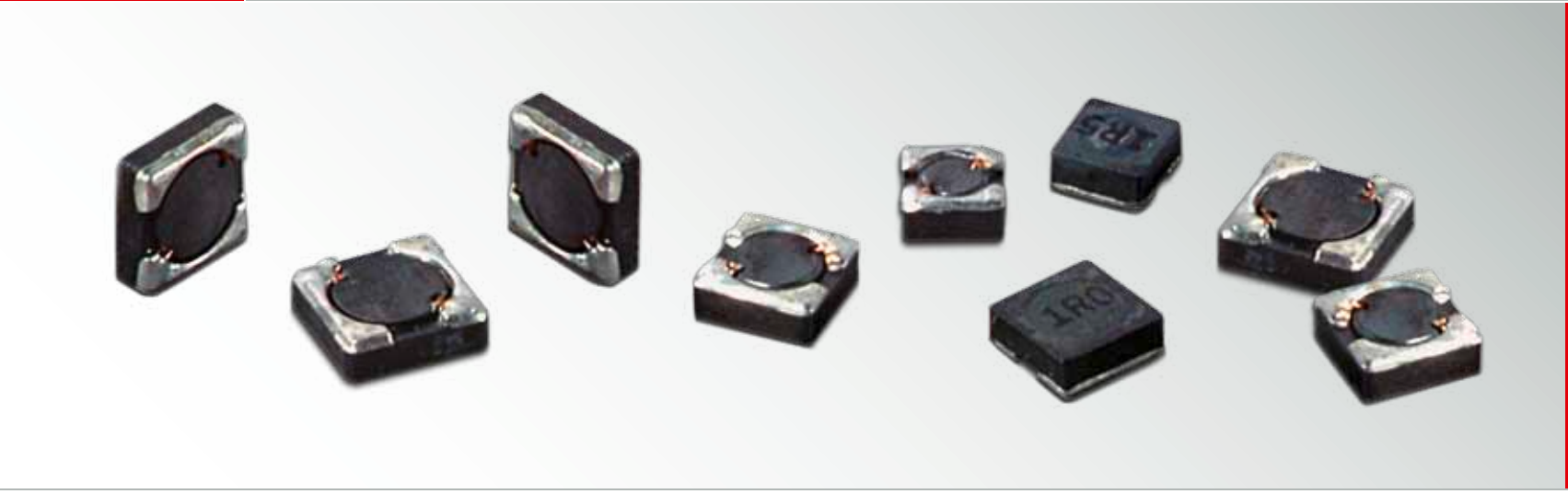
WÜRTH ELEKTRONIK

DESIGN KIT
WE-TPC SMD Shielded Tiny Power Inductor



SIZE:

4828 / 5818 / 5828

TECHNICAL DATA:

L:	1.2 ~ 22 µH
DCR:	17 ~ 155 mΩ
I_R:	0.925 ~ 3.1 A
I_{sat}:	0.7 ~ 3.5 A

Order Code 744 043
Version 1.0

WE-TPC
SMD Shielded Tiny Power Inductor

4828 (4.8 x 4.8 x 2.8)

744 043 001 2		
L:	1.2	µH
DCR:	17	mΩ
I_R:	3.1	A
I_{sat}:	2.8	A

744 043 001 8		
L:	1.8	µH
DCR:	20	mΩ
I_R:	2.7	A
I_{sat}:	2.45	A

744 043 002 2		
L:	2.2	µH
DCR:	23	mΩ
I_R:	2.5	A
I_{sat}:	2.35	A

744 043 002 7		
L:	2.7	µH
DCR:	27	mΩ
I_R:	2.35	A
I_{sat}:	1.95	A

744 043 003		
L:	3.3	µH
DCR:	30	mΩ
I_R:	2.15	A
I_{sat}:	1.8	A

744 043 003 9		
L:	3.9	µH
DCR:	47	mΩ
I_R:	1.72	A
I_{sat}:	1.65	A

744 043 004		
L:	4.7	µH
DCR:	52	mΩ
I_R:	1.55	A
I_{sat}:	1.7	A

744 043 005		
L:	5.6	µH
DCR:	80	mΩ
I_R:	1.38	A
I_{sat}:	1.3	A

744 043 006		
L:	6.8	µH
DCR:	80	mΩ
I_R:	1.3	A
I_{sat}:	1.25	A

744 043 008		
L:	8.2	µH
DCR:	85	mΩ
I_R:	1.25	A
I_{sat}:	1.05	A

744 043 100		
L:	10	µH
DCR:	95	mΩ
I_R:	1.19	A
I_{sat}:	1	A

744 043 120		
L:	12	µH
DCR:	108	mΩ
I_R:	1.12	A
I_{sat}:	0.95	A

744 043 150		
L:	15	µH
DCR:	124	mΩ
I_R:	0.103	A
I_{sat}:	0.75	A

744 043 180		
L:	18	µH
DCR:	138	mΩ
I_R:	0.98	A
I_{sat}:	0.7	A

744 043 220		
L:	22	µH
DCR:	155	mΩ
I_R:	0.925	A
I_{sat}:	0.7	A

5818 (5.8 x 5.8 x 1.8)

744 052 001 2		
L:	1.2	µH
DCR:	20	mΩ
I_R:	3	A
I_{sat}:	3.5	A

744 052 001 8		
L:	1.8	µH
DCR:	24	mΩ
I_R:	2.6	A
I_{sat}:	3	A

744 052 002		
L:	2.5	µH
DCR:	30	mΩ
I_R:	2.4	A
I_{sat}:	2.7	A

744 052 003		
L:	3	µH
DCR:	35	mΩ
I_R:	2.2	A
I_{sat}:	2.4	A

744 052 003 9		
L:	3.9	µH
DCR:	47	mΩ
I_R:	2	A
I_{sat}:	2.1	A

744 052 005		
L:	5	µH
DCR:	47	mΩ
I_R:	1.65	A
I_{sat}:	1.8	A

744 052 006		
L:	6.2	µH
DCR:	60	mΩ
I_R:	1.45	A
I_{sat}:	1.60	A

744 052 007		
L:	7.5	µH
DCR:	70	mΩ
I_R:	1.35	A
I_{sat}:	1.5	A

744 052 009		
L:	9	µH
DCR:	95	mΩ
I_R:	1.25	A
I_{sat}:	1.35	A

744 052 100		
L:	10	µH
DCR:	106	mΩ
I_R:	1.1	A
I_{sat}:	1.25	A

5828 (5.8 x 5.8 x 2.8)

744 053 002		
L:	2.6	µH
DCR:	22	mΩ
I_R:	3	A
I_{sat}:	2.7	A

744 053 003		
L:	3	µH
DCR:	24	mΩ
I_R:	2.8	A
I_{sat}:	2.5	A

744 053 004		
L:	4	µH
DCR:	30	mΩ
I_R:	2.5	A
I_{sat}:	2.2	A

744 053 004 7		
L:	4.7	µH
DCR:	30	mΩ
I_R:	2.4	A
I_{sat}:	1.95	A

744 053 005		
L:	5.3	µH
DCR:	30	mΩ
I_R:	2.3	A
I_{sat}:	1.9	A

744 053 006		
L:	6.2	µH
DCR:	35	mΩ
I_R:	2.2	A
I_{sat}:	1.7	A

744 053 008		
L:	8.2	µH
DCR:	40	mΩ
I_R:	2.1	A
I_{sat}:	1.6	A

744 053 100		
L:	10	µH
DCR:	50	mΩ
I_R:	1.5	A
I_{sat}:	1.4	A

744 053 120		
L:	12	µH
DCR:	60	mΩ
I_R:	1.46	A
I_{sat}:	1.25	A

744 053 150		
L:	15	µH
DCR:	70	mΩ
I_R:	1.38	A
I_{sat}:	1.15	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!