

# Design Kit SMD-Tiny Power Inductors WE-TPC - Medium Size
















Subject to changes, Version 1.0

**Order Code: 744043**

## Characteristics:











- Sample kit contains components of the SMD Power Chokes Series WE-TPC Type 4828, 5818, 5828

## Electrical properties

WE-TPC 4828	Order Code	L ( $\mu\text{H}$ )	I <sub>R</sub> (A)	I <sub>sat</sub> (A)	R <sub>DC typ</sub> ( $\Omega$ )	R <sub>DC</sub> ( $\Omega$ )	f <sub>res</sub> (MHz)	Size	Description
	7440430012	1.2	3.1	2.8	0.017	0.02	150	4828	WE-TPC SMD Shielded Tiny Power Inductor
	7440430018	1.8	2.7	2.45	0.02	0.025	120	4828	WE-TPC SMD Shielded Tiny Power Inductor
	7440430022	2.2	2.5	2.35	0.023	0.028	100	4828	WE-TPC SMD Shielded Tiny Power Inductor
	7440430027	2.7	2.35	1.95	0.027	0.03	80	4828	WE-TPC SMD Shielded Tiny Power Inductor
	744043003	3.3	2.15	1.8	0.03	0.035	80	4828	WE-TPC SMD Shielded Tiny Power Inductor
	7440430039	3.9	1.72	1.65	0.047	0.06	55	4828	WE-TPC SMD Shielded Tiny Power Inductor
	744043004	4.7	1.55	1.7	0.052	0.07	60	4828	WE-TPC SMD Shielded Tiny Power Inductor
	744043005	5.6	1.38	1.3	0.08	0.085	60	4828	WE-TPC SMD Shielded Tiny Power Inductor
	744043006	6.8	1.3	1.25	0.08	0.09	57	4828	WE-TPC SMD Shielded Tiny Power Inductor
	744043008	8.2	1.25	1.05	0.085	0.1	35	4828	WE-TPC SMD Shielded Tiny Power Inductor
	744043100	10	1.19	1.0	0.095	0.11	40	4828	WE-TPC SMD Shielded Tiny Power Inductor
	744043120	12	1.12	0.95	0.108	0.125	30	4828	WE-TPC SMD Shielded Tiny Power Inductor
	744043150	15	1.03	0.75	0.124	0.15	25	4828	WE-TPC SMD Shielded Tiny Power Inductor
	744043180	18	0.98	0.7	0.138	0.16	25	4828	WE-TPC SMD Shielded Tiny Power Inductor
	744043220	22	0.925	0.7	0.155	0.185	20	4828	WE-TPC SMD Shielded Tiny Power Inductor











## Electrical properties

### WE-TPC 5818

Order Code	L ( $\mu\text{H}$ )	I <sub>R</sub> (A)	I <sub>sat</sub> (A)	R <sub>DC typ</sub> ( $\Omega$ )	R <sub>DC</sub> ( $\Omega$ )	f <sub>res</sub> (MHz)	Size	Description
 7440520012	1.2	3.0	3.5	0.02	0.03	120	5818	WE-TPC SMD Shielded Tiny Power Inductor
 7440520018	1.8	2.6	3.0	0.024	0.035	100	5818	WE-TPC SMD Shielded Tiny Power Inductor
 744052002	2.5	2.4	2.7	0.03	0.04	85	5818	WE-TPC SMD Shielded Tiny Power Inductor
 744052003	3.0	2.2	2.4	0.035	0.045	70	5818	WE-TPC SMD Shielded Tiny Power Inductor
 7440520039	3.9	2.0	2.1	0.047	0.055	60	5818	WE-TPC SMD Shielded Tiny Power Inductor
 744052005	5.0	1.65	1.8	0.047	0.06	55	5818	WE-TPC SMD Shielded Tiny Power Inductor
 744052006	6.2	1.45	1.6	0.06	0.08	45	5818	WE-TPC SMD Shielded Tiny Power Inductor
 744052007	7.5	1.35	1.5	0.07	0.09	45	5818	WE-TPC SMD Shielded Tiny Power Inductor
 744052009	9.0	1.25	1.35	0.095	0.11	40	5818	WE-TPC SMD Shielded Tiny Power Inductor
 744052100	10	1.1	1.25	0.106	0.13	40	5818	WE-TPC SMD Shielded Tiny Power Inductor

## Electrical properties

### WE-TPC 5828

Order Code	L ( $\mu\text{H}$ )	I <sub>R</sub> (A)	I <sub>sat</sub> (A)	R <sub>DC typ</sub> ( $\Omega$ )	R <sub>DC</sub> ( $\Omega$ )	f <sub>res</sub> (MHz)	Size	Description
 744053002	2.6	3.0	2.7	0.022	0.03	55	5828	WE-TPC SMD Shielded Tiny Power Inductor
 744053003	3.0	2.8	2.5	0.024	0.03	70	5828	WE-TPC SMD Shielded Tiny Power Inductor
 744053004	4.2	2.5	2.2	0.03	0.035	45	5828	WE-TPC SMD Shielded Tiny Power Inductor
 7440530047	4.7	2.4	1.95	0.03	0.038	40	5828	WE-TPC SMD Shielded Tiny Power Inductor
 744053005	5.3	2.3	1.9	0.03	0.04	45	5828	WE-TPC SMD Shielded Tiny Power Inductor
 744053006	6.2	2.2	1.7	0.035	0.045	38	5828	WE-TPC SMD Shielded Tiny Power Inductor
 744053008	8.2	2.1	1.6	0.04	0.055	28	5828	WE-TPC SMD Shielded Tiny Power Inductor
 744053100	10	1.5	1.4	0.05	0.07	35	5828	WE-TPC SMD Shielded Tiny Power Inductor
 744053120	12	1.46	1.25	0.06	0.08	22	5828	WE-TPC SMD Shielded Tiny Power Inductor
 744053150	15	1.38	1.15	0.07	0.1	20	5828	WE-TPC SMD Shielded Tiny Power Inductor