

**D2332** = Product group; Product group discount D 23 3\_

## TALEMA SMD Inductors Series: LCP

### Application

DC/DC converters, pulse modulation, switching regulators

### Features

- Operating frequency up to 1MHz
- High stability
- Gold-plated terminal pads ensure excellent solderability
- Test voltage between windings 500V<sub>rms</sub>

### Technical Specifications

Part Nr.	Parallel			Series			E [μJ]
	I <sub>N</sub> [A]	L <sub>0</sub> [μH]	R <sub>DC</sub> [mΩ]	I <sub>N</sub> [A]	L <sub>0</sub> [μH]	R <sub>DC</sub> [mΩ]	
LCP1U10	1,40	10	37	0,70	40	148	7,2
LCP1U33	0,76	33	133	0,38	132	535	7,2
LCP1U100	0,44	100	376	0,22	400	1504	7,2
LCP2U47	1,08	47	139	0,54	188	556	21,2
LCP2U100	0,66	100	295	0,33	400	1180	15,8
LCP2U220	0,44	220	784	0,22	880	3136	15,8
LCP3U10	3,00	10	26	1,5	40	104	32,8
LCP3U100	0,94	100	250	0,47	400	1000	32,2
LCP3U470	0,42	470	1003	0,21	1880	4012	30,5
LCP4U150	0,88	150	307	0,44	600	1228	42,8
LCP4U470	0,50	470	900	0,25	1880	3600	43,6
LCP5U22	3,00	22	38	1,5	88	152	71,6
LCP5U47	2,04	47	72	1,02	188	288	72,1
LCP5U100	1,4	100	128	0,70	400	512	71,6
LCP5U220	0,94	220	298	0,47	880	1192	71,5
LCP5U330	0,78	330	451	0,39	1320	1804	73,8
LCP5U470	0,64	470	604	0,32	1880	2416	70,9
LCP5U680	0,54	680	934	0,27	2720	3736	73,2
LCP5U1000	0,44	1000	1629	0,22	4000	6516	71,4

I<sub>N</sub> = Rated Current, L<sub>0</sub> = Inductance, No Load ± 15%,  
R<sub>DC</sub> = Ohmic Resistance, E = Energy Storage

### Dimensions


Part Nr.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]
LCP1	7	6,0	1,5	5,1	8	7	2,5
LCP2	9	7,6	1,7	6,3	10	9	3,0
LCP3	11	9,4	2,0	6,8	12	11	3,0
LCP4	12	10,2	2,2	7,0	13	12	3,5
LCP5	12	10,2	2,2	9,1	13	12	3,5

### Additional Products

Orders of 500 pieces on request, delivery time approx. 12 weeks.

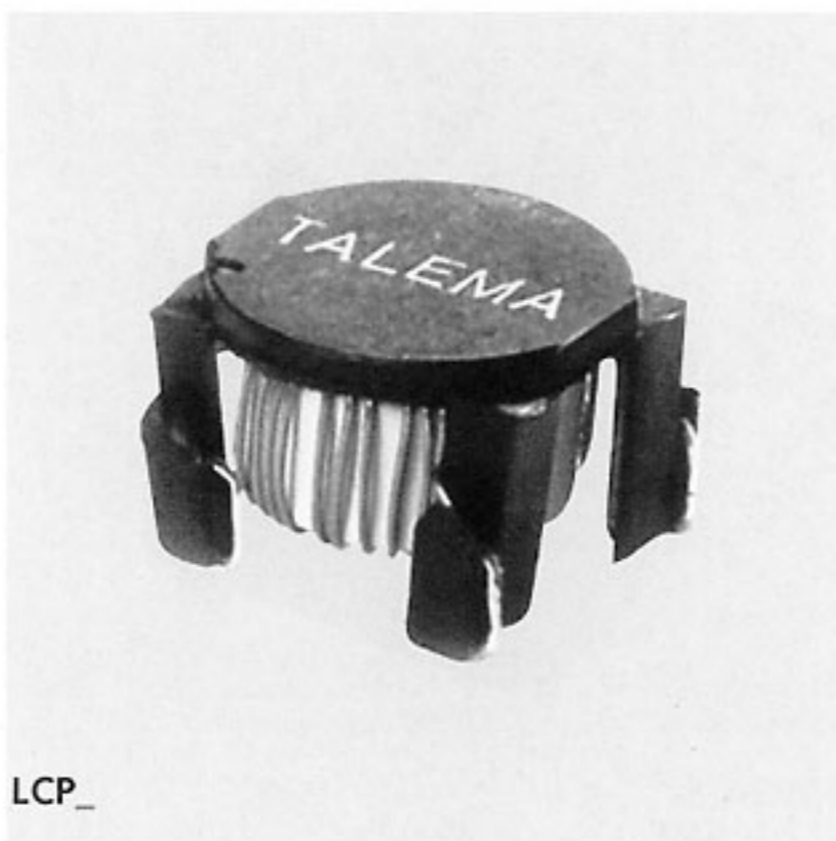
### Terms of Delivery

Minimum order quantity: 1 PKU = 10 pieces

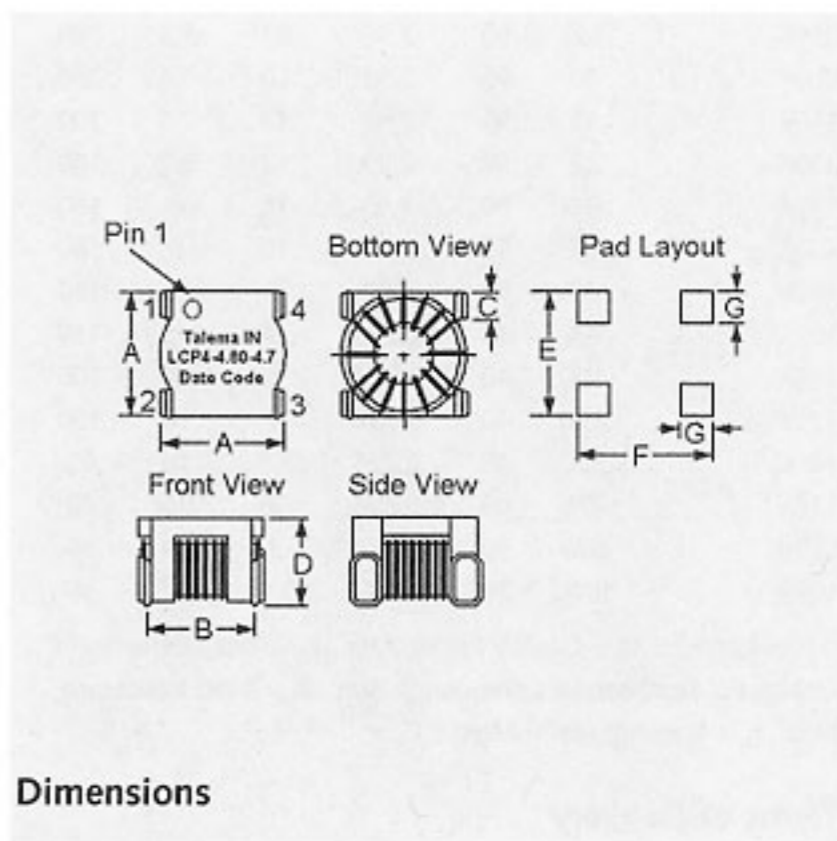
Manufacturer: 

<http://www.talema.de>

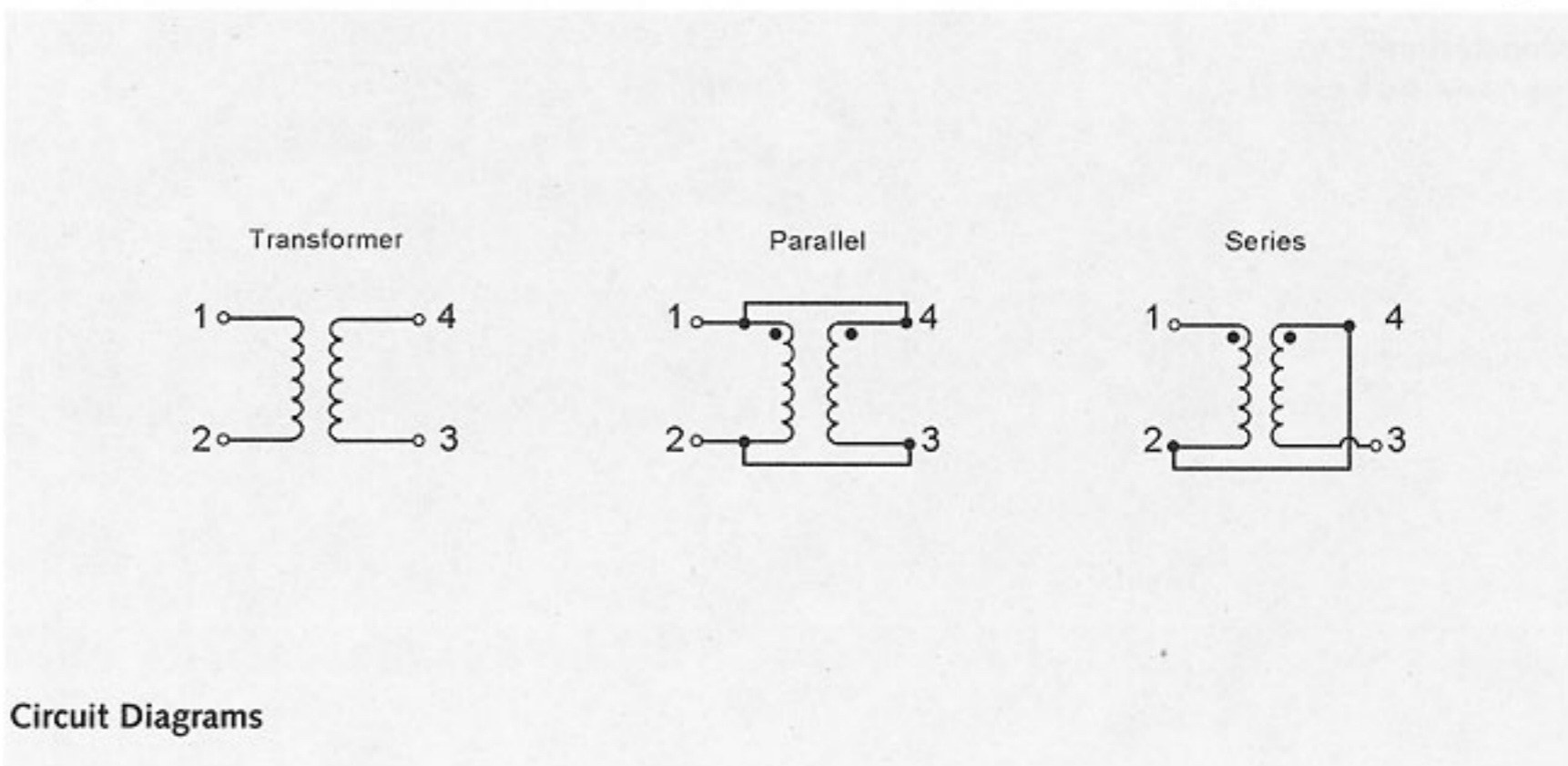
Part Nr.	Part description
LCP1U10	SMD Toroidal Inductor 10uH 1,40A
LCP1U33	SMD Toroidal Inductor 33uH 0,76A
LCP1U100	SMD Toroidal Inductor 100uH 0,44A
LCP2U47	SMD Toroidal Inductor 47uH 1,08A
LCP2U100	SMD Toroidal Inductor 100uH 0,66A
LCP2U220	SMD Toroidal Inductor 220uH 0,44A
LCP3U10	SMD Toroidal Inductor 10uH 3A
LCP3U100	SMD Toroidal Inductor 100uH 0,94A
LCP3U470	SMD Toroidal Inductor 470uH 0,42A
LCP4U150	SMD Toroidal Inductor 150uH 0,88A
LCP4U470	SMD Toroidal Inductor 470uH 0,5A
LCP5U22	SMD Toroidal Inductor 22uH 3A
LCP5U47	SMD Toroidal Inductor 47uH 2,04A
LCP5U100	SMD Toroidal Inductor 100uH 1,4A
LCP5U220	SMD Toroidal Inductor 220uH 0,94A
LCP5U330	SMD Toroidal Inductor 330uH 0,78A
LCP5U470	SMD Toroidal Inductor 470uH 0,64A
LCP5U680	SMD Toroidal Inductor 680uH 0,54A
LCP5U1000	SMD Toroidal Inductor 1000uH 0,44A



LCP\_



Dimensions



Circuit Diagrams