



■ General Description

There are demands due to constraints introduced by applications, such as "we want to use small components," "it is necessary to limit the height to a maximum of 2 mm," or "we want to use shielded (closed magnetic circuit type) inductors to eliminate unwanted emission. In recent years, for these reasons, selection of suitable components has tended to take a long time. Shown below is a list of small or low-profile inductors. Many of these inductors have been used on our demonstration boards. We hope this product information saves designers' time in looking for or selecting components.

Type	Designation	Manufacturer	L value (μH)	R <sub>DC</sub> (Ω)	IDC (A)	W (mm) × D (mm)	H (mm)	
Open magnetic circuit ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑	CMD4D13-4R7	Sumida	4.7	0.194	0.80	4.4×5.8	1.45	
	CMD4D13-6R8	↑	6.8	0.276	0.65	↑	↑	
	CMD4D13-100	↑	10	0.335	0.57	↑	↑	
	CMD4D13-220	↑	22	0.766	0.37	↑	↑	
	CMD4D13-470	↑	47	1.658	0.22	↑	↑	
	CMD4D13-101	↑	100	3.304	0.17	↑	↑	
	CMD5D13-4R7	↑	4.7	0.114	1.50	5.8×7.4	1.5	
	CMD5D13-6R8	↑	6.8	0.170	1.40	↑	↑	
	CMD5D13-100	↑	10	0.196	1.00	↑	↑	
	CMD5D13-220	↑	22	0.480	0.80	↑	↑	
	CMD5D13-470	↑	47	0.984	0.55	↑	↑	
	Closed magnetic circuit ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑	CDRH3D16-4R7	↑	4.7	0.105	0.90	4.0×4.0	1.8
		CDRH3D16-6R8	↑	6.8	0.170	0.73	↑	↑
		CDRH3D16-100	↑	10	0.210	0.55	↑	↑
		CDRH3D16-220	↑	22	0.430	0.40	↑	↑
		CDRH3D16-330	↑	33	0.675	0.32	↑	↑
CDRH4D28-4R7		↑	4.7	0.072	1.32	5.0×5.0	3.0	
CDRH4D28-6R8		↑	6.8	0.1089	1.12	↑	↑	
CDRH4D28-100		↑	10	0.1283	1.00	↑	↑	
CDRH4D28-220		↑	22	0.235	0.70	↑	↑	
CDRH4D28-470		↑	47	0.587	0.48	↑	↑	
CDRH4D28-101		↑	100	1.020	0.29	↑	↑	
CDRH5D28-5R3		↑	5.3	0.038	1.90	5.7×5.7	3.0	
CDRH5D28-100		↑	10	0.065	1.30	↑	↑	
CDRH5D28-220		↑	22	0.122	0.90	↑	↑	
CDRH5D28-470		↑	47	0.260	0.62	↑	↑	
CDRH5D28-101		↑	100	0.520	0.42	↑	↑	
CDRH6D28-5R0		↑	5.0	0.031	2.40	7.0×7.0	↑	
CDRH6D28-100		↑	10	0.065	1.70	↑	↑	
CDRH6D28-220	↑	22	0.128	1.20	↑	↑		
CDRH6D28-470	↑	47	0.238	0.80	↑	↑		
CDRH6D28-101	↑	100	0.535	0.54	↑	↑		
Chip ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑	LEMFC3225□4R7M	Taiyo Yuden	4.7	0.22	0.430	2.5×3.2	2.2±0.2	
	LEMFC3225□100K	↑	10	0.41	0.300	↑	↑	
	LEMFC3225□220K	↑	22	1.00	0.210	↑	↑	
	LEMFC3225□470K	↑	47	1.90	0.150	↑	↑	
	LEMFC3225□101K	↑	100	4.30	0.100	↑	↑	
	LEMFC3225□4R7M	↑	4.7	0.13	0.240	↑	↑	
	LEMFC3225□100K	↑	10	0.22	0.165	↑	↑	
	LEMFC3225□220K	↑	22	0.45	0.115	↑	↑	
	LEMFC3225□470K	↑	47	0.95	0.085	↑	↑	
	LEMFC3225□101K	↑	100	2.10	0.055	↑	↑	

\* The symbol "□" in product designations of Taiyo Yuden Co., Ltd. indicates package type (T: tape & reel; B: bulk).

[Notes]

The data shown above were derived from the manufacturers' catalogs and are intended for selection of peripheral components for power ICs. Specifications are subject to change. For the latest information on these products, contact the manufacturers. Torex shall not be liable for any defects caused by the data shown above.

