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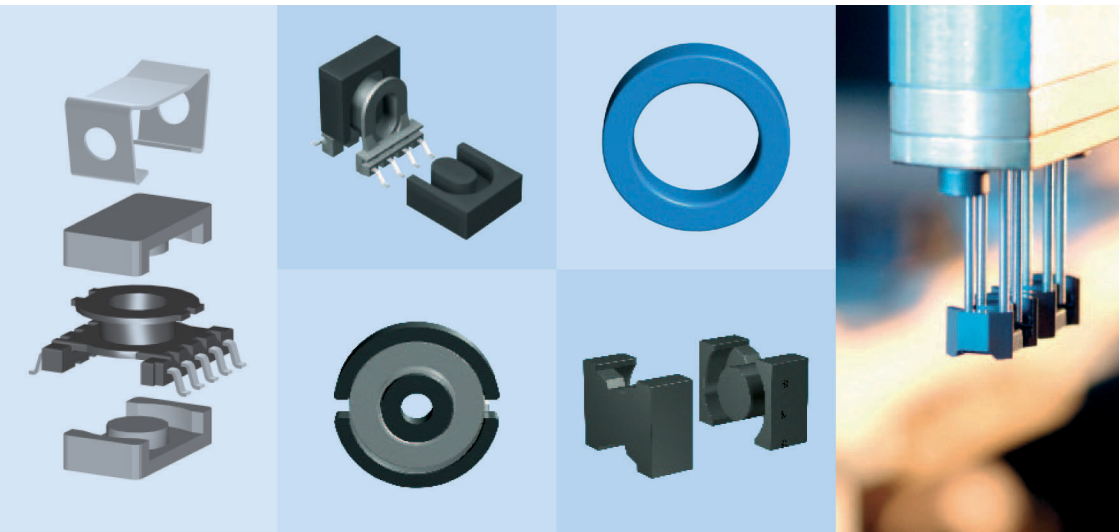
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EPCOS Data Book 2013

Ferrites and Accessories





Ferrites and accessories

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Selector guide

RM cores

Core type	Standards	Mounting dimensions (mm) of assembly set Base area \times H ¹⁾	Individual parts of assembly set	Part number	Page
RM 4	IEC 62317-4	10.16 ² \times 10.8	Core	B65803	204
			Coil former	B65804	206
			Clamp	B65806	207
			Adjusting screws	B65539/ B65806	208
RM 4 LP	IEC 62317-4	14 \times 17.5 \times 8.1	Core	B65803	209
			Clamp	B65804	210
			Insulating washers	B65804	210
			Coil former/Clamp 	B65804	211
RM 5	IEC 62317-4	12.7 ² \times 10.8	Core	B65805	213
			Coil former	B65806	215
			Clamp	B65806	216
		16.5 \times 19 \times 10.6	Insulating washers	B65806	216
			Coil former 	B65822	217, 218
			Clamp 	B65806	217, 218
Adjusting screws	B65539/ B65806	219			
RM 5 LP	IEC 62317-4	20 \times 16 \times 8	Core	B65805	220
RM 6	IEC 62317-4	15.24 ² \times 12.8	Core	B65807	222
			Coil former	B65808	224, 225
		19.5 \times 25 \times 12.8	Coil former for SMPS transf.	B65808	226
			Coil former for power appl.	B65808	227
		19.6 \times 22.2 \times 13	Clamp/Insulating washers	B65808	228
			Coil former 	B65821	229
Clamp 	B65808	229			
Adjusting screws	B65659	230			
RM 6 LP	IEC 62317-4		Core	B65807	231

1) Height above mounting plane

Selector guide

RM cores (continued)

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H ¹⁾	Individual parts of assembly set	Part number	Page
RM 7	IEC 62317-4	17.78 ² × 13.8	Core	B65819	233
			Coil former	B65820	234
			Clamp/Insulating washers	B65820	235
			Adjusting screws	B65659	236
RM 7 LP	IEC 62317-4		Core	B65819	237
RM 8	IEC 62317-4	20.32 ² × 16.8 26 × 30 × 16.8	Core	B65811	239
			Coil former	B65812	241, 242
			Coil former for SMPS transf.	B65812	243
			Coil former for power appl.	B65812	244
			Clamp/Insulating washers	B65812	245
Adjusting screw	B65812	246			
RM 8 LP	IEC 62317-4		Core	B65811	247
			Clamp/Insulating washers	B65812	248
RM 10	IEC 62317-4	25.4 ² × 19 31 × 40 × 19	Core	B65813	250
			Coil former	B65814	252
			Coil former for power appl.	B65814	253
			Clamp/Insulating washers	B65814	254
			Adjusting screws	B65679	255
RM 10 LP	IEC 62317-4		Core	B65813	256
RM 12	IEC 62317-4	30.48 ² × 24.9 32 × 45.7 × 24.9	Core	B65815	258
			Coil former	B65816	259
			Coil former for power appl.	B65816	260
			Clamp	B65816	261
RM 12 LP	IEC 62317-4		Core	B65815	262
RM 14	IEC 62317-4	35.56 ² × 30.5 44 × 29 × 30.5	Core	B65887	264
			Coil former	B65888	265
			Coil former for power appl.	B65888	266
			Clamp/Insulating washer	B65888	267
RM 14 LP	IEC 62317-4		Core	B65887	268

1) Height above mounting plane

Selector guide

PQ cores

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H ¹⁾	Individual parts of assembly set	Part number	Page
PQ 16/11.6	IEC 62317-13		Core	B65885A	270
PQ 20/16	IEC 62317-13		Core	B65875B	271
PQ 20/20	IEC 62317-13		Core	B65875A	272
PQ 26/20	IEC 62317-13	27 × 30 × 25.2	Core	B65877B	273
			Coil former	B65878E	274
PQ 26/25	IEC 62317-13	27 × 30 × 29.3	Core	B65877A	275
			Coil former	B65878E	276
PQ 32/20	IEC 62317-13	32.3 × 34.3 × 20.2	Core	B65879A	277
			Coil former	B65880E	278
PQ 32/30	IEC 62317-13	33.2 × 34.7 × 33.1	Core	B65879B	279
			Coil former	B65880E	280
PQ 35/35	IEC 62317-13		Core	B65881A	281
PQ 40/30	IEC 62317-13		Core	B65883B	282
PQ 40/40	IEC 62317-13	40.3 × 42.3 × 45.3	Core	B65883A	283
			Coil former	B65884E	284
PQ 50/40	IEC 62317-13		Core	B65981B	285
PQ 50/50	IEC 62317-13	51.3 × 51.9 × 52.5	Core	B65981A	286
			Coil former	B65982E	287

1) Height above mounting plane



PM cores

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H ¹⁾	Individual parts of assembly set	Part number	Page
PM 50/39	IEC 61247	65 × 52 × 45	Core	B65646	290
			Coil former	B65647	291
			Mounting assembly	B65647	292
PM 62/49	IEC 61247	76 × 64 × 55	Core	B65684	293
			Coil former	B65685	294
			Mounting assembly	B65685	295
PM 74/59	IEC 61247	85.5 × 75 × 65	Core	B65686	296
			Coil former	B65687	297
			Mounting assembly	B65687	298
PM 87/70	IEC 61247	101 × 87 × 72	Core	B65713	299
			Coil former	B65714	300
PM 114/93	IEC 61247	114 × 92 × 93	Core	B65733	301
			Coil former	B65734	302

1) Height above mounting plane

Selector guide


EP cores

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H ¹⁾	Individual parts of assembly set	Part number	Page
EP 5			Core	B65855A	305
EP 6			Core	B65855B	306
EP 7	IEC 61596	7.5 × 10 × 10 13 × 9.2 × 8.8	Core	B65839	307
			Coil former/Cap yoke	B65840	309
			Coil former 	B65840	310
EPX 7/9		12.6 × 9.4 × 12.4	Core	B65857A	311
			Coil former 	B65858	313
EPX 9/9			Core	B65857C	314
EP 10	IEC 61596	12 × 14.2 × 12.5	Core	B65841	316
			Coil former	B65842	318
			Mounting assembly	B65842	319
EPX 10			Core	B65859	320
EP 13	IEC 61596	15 × 16 × 13.7 15 × 16 × 13.7	Core	B65843A	321
			Coil former	B65844	323
			Coil former for high-voltage applications	B65844	324
			Mounting assembly	B65844	325
EPO 13	—	15 × 16 × 13.7 15 × 16 × 13.7	Core	B65843P	326
			Coil former	B65844	327
			Coil former for high-voltage applications	B65844	328
EP 17	IEC 61596	20 × 21.6 × 16.2	Core	B65845	329
			Coil former	B65846	330
			Mounting assembly	B65846	331
EP 20	IEC 61596	23 × 27.5 × 20.5	Core	B65847	332
			Coil former	B65848	333
			Mounting assembly	B65848	334

1) Height above mounting plane

Selector guide

P cores (pot cores)

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H ¹⁾	Individual parts of assembly set	Part number	Page
P 3.3 × 2.6	IEC 62323		Core	B65491	336
P 4.6 × 4.1			Core	B65495	337
P 5.8 × 3.3	IEC 62323		Core	B65501	338
P 7 × 4		7.5 × 7.5 × 7.1	Core	B65511	340
			Coil former	B65512	341
			Mounting assembly	B65512	342
P 9 × 5	IEC 60133	9.9 × 9.9 × 8.3 (4 solder terminals) 9.9 × 12.3 × 8.3 (6 solder terminals) 12.2 × 17 × 6.0	Core	B65517	344
			Coil former	B65522	345
			Coil former 	B65524	346
			Mounting assembly	B65518	347
P 11 × 7	IEC 60133	12.3 × 12.3 × 9.5 (4 solder terminals) 12.3 × 14.6 × 9.5 (8 solder terminals)	Core	B65531	349
			Coil former	B65532	350
			Mounting assembly	B65535	351
			Adjusting screws	B65539 B65806	352
P 14 × 8	IEC 60133	16.8 × 15 × 11.3 (4 solder terminals) 16.8 × 19.6 × 11.3 (6 solder terminals)	Core	B65541	354
			Coil former	B65542	355
			Mounting assembly	B65545	356
			Adjusting screws	B65549	357
P 18 × 11	IEC 60133	19.9 × 20.7 × 13.5	Core	B65651	359
			Coil former	B65652	360
			Mounting assembly	B65655	361
			Adjusting screws	B65659	362

1) Height above mounting plane

P cores (pot cores) (continued)

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H ¹⁾	Individual parts of assembly set	Part number	Page
P 22 × 13	IEC 60133	24.5 × 26 × 16.6	Core	B65661	364
			Coil former	B65662	365
			Adjusting screw	B65812	366
P 26 × 16	IEC 60133	27.8 × 28.5 × 19	Core	B65671	368
			Coil former	B65672	369
			Mounting assembly	B65675	370
			Adjusting screws	B65679	371
P 30 × 19	IEC 60133	32.5 × 33.5 × 22.8	Core	B65701	373
			Coil former	B65702	374
			Mounting assembly	B65705	375
			Adjusting screws	B65679	376
P 36 × 22		40 × 41.8 × 27.5	Core	B65611	378
			Coil former	B65612	379
			Mounting assembly	B65615	380
			Adjusting screws	B65679	381
P 41 × 25			Core	B65621	383
			Mounting assembly	B65623	384

1) Height above mounting plane




Selector guide

P core halves and PS cores

Core type (\varnothing × height)	Standards	Material	Individual parts of assembly set	Part number	Page
PS 7.35 × 3.6	IEC 62323	N22, M33	Core	B65933	388
			Coil former	B65512	388
PS 9 × 3.5	IEC 62323	N22, M33	Core	B65935	389
			Coil former	B65936	389
PCH 14 × 7.5		N22	Core	B65937	390
			Coil former	B65542	390
PS 25 × 8.9	IEC 62323	N22	Core	B65939	391
			Coil former	B65940	391
PS 30.5 × 10.2	IEC 62323	N22	Core	B65941	392
			Coil former	B65942	392
PS 35 × 10.8	IEC 62323	N22	Core	B65947	393
PS 47 × 14.9	IEC 62323	N22	Core	B65943	394
PS 68 × 14.5	IEC 62323	N22	Core	B65928	395
			Coil former	B65946	395
PCH 70 × 14.5		N22	Core	B65945	396
			Coil former	B65946	396
PCH 150 × 30		N27	Core	B65949	397

Selector guide

E cores

Core type ¹⁾	Standards	Mounting dimensions (mm) of assembly set L × W × H ²⁾	Individual parts of assembly set	Part number	Page
E 5	IEC 61246		Core	B66303	404
E 6.3	IEC 61246	9 × 8 × 5.7	Core	B66300	405
			Coil former/Cover cap 	B66301	406
E 8.8	IEC 61246	10 × 12.5 × 5.5	Core	B66302	407
			Coil former/Cover cap 	B66302	408
E 10/5.5/5			Core	B66322	409
E 13/7/4 (EF 12.6)	IEC 61246	15 × 17 × 12	Core	B66305	410
			Coil former (horizontal)	B66202	411
		10 × 15 × 17	Coil former (vertical)	B66202	412
			Yoke	B66202	412
		13.5 × 19.5 × 9.3	Coil former 	B66306	413
Cover plate	B66414		414		
E 14/8/4			Core	B66219	415
E 16/6/5			Core	B66393	416
E 16/8/5 (EF 16)	IEC 61246	18 × 20 × 14 11 × 18 × 20	Core	B66307	417
			Coil former (horizontal)	B66308	419
			Coil former (vertical)	B66308	420
			Yoke	B66308	420
E 19/8/5			Core	B66379	421
E 20/10/6 (EF 20)	IEC 61246	22 × 22 × 17 15 × 22 × 24 24 × 21.5 × 14	Core	B66311	422
			Coil former (horizontal)	B66206	423
			Coil former (vertical)	B66206	423
		15 × 22 × 24	Coil former (right-angle pins)	B66206	424
			Yoke	B66206	425
			Coil former for luminaires	B66206	426
Yoke	B66206	426			
E 21/9/5			Core	B66314	427
E 25/13/7 (EF 25)	IEC 61246	28 × 28 × 21 18 × 28 × 29	Core	B66317	428
			Coil former (horizontal)	B66208	429
		19 × 26 × 30	Coil former (vertical)	B66208	430
			Yoke	B66208	430
			Coil former for SMPS	B66208	431
Yoke	B66208	431			

1) The E core designations have been brought into line with IEC; the previous designations are given in parentheses.

2) Height above mounting plane

Selector guide

E cores (continued)

Core type ¹⁾	Standards	Mounting dimensions (mm) of assembly set L × W × H ²⁾	Individual parts of assembly set	Part number	Page
E 25.4/10/7			Core	B66315	432
E 30/15/7		36 × 36 × 12 19 × 36 × 36	Core Coil former (horizontal) Coil former (vertical) Yoke	B66319 B66232 B66232 B66232	433 434 434 434
E 32/16/9 (EF 32)	IEC 61246	35 × 37 × 24	Core Coil former Yoke	B66229 B66230 B66230	436 437 437
E 32/16/11			Core	B66233	438
E 34/14/9			Core	B66370	439
E 36/18/11		39 × 38 × 31	Core Coil former	B66389 B66390	440 441
E 40/16/12			Core	B66381	442
E 42/21/15	IEC 61246		Core	B66325	443
E 42/21/20	IEC 61246	38 × 46 × 52	Core Coil former	B66329 B66243	444 445, 446
E 47/20/16			Core	B66383	447
E 55/28/21	IEC 61246		Core	B66335	448
E 55/28/25			Core	B66344	449
E 56/24/19			Core	B66385	450
E 65/32/27			Core Coil former	B66387 B66388	451 452
E 70/33/32			Core Coil former	B66371 B66372	453 454
E 80/38/20			Core	B66375	455

1) The E core designations have been brought into line with IEC; the previous designations are given in parentheses.
2) Height above mounting plane

Selector guide

ELP cores

Core set	Standards	Core types	Individual parts of assembly set	Part number		Page
				with clamp recess	w/o clamp recess	
EELP 14	IEC 62317-9	ELP 14/3.5/5	ELP core		B66281G	457
EILP 14	IEC 62317-9	I 14/1.5/5 (+ ELP 14/3.5/5)	I core		B66281P, B66281K	458
EELP 18	IEC 62317-9	ELP 18/4/10	ELP core	B66283G	B66453G	459, 460
EILP 18	IEC 62317-9	I 18/2/10 (+ ELP 18/4/10)	Clamp	B65804		461
			I core	B66283P, B66283K	B66453P, B66453K	460, 462
			Clamp	B66284		461
EELP 22	IEC 62317-9	ELP 22/6/16	ELP core	B66285G	B66455G	464, 465
EILP 22	IEC 62317-9	I 22/2.5/16 (+ ELP 22/6/16)	I core	B66285P, B66285K	B66455P, B66455K	465, 467
			Clamp	B65804		466
EELP 32	IEC 62317-9	ELP 32/6/20	ELP core	B66287G	B66457G	469, 470
EILP 32	IEC 62317-9	I 32/3/20 (+ ELP 32/6/20)	Clamp	B65808		469
			I core	B66287P, B66287K	B66457P, B66457K	470, 472
			Clamp	B66288		471
EELP 38	IEC 62317-9	ELP 38/8/25	ELP core	B66289G	B66459G	474, 476
EILP 38	IEC 62317-9	I 38/4/25 (+ ELP 38/8/25)	I core	B66289P, B66289K	B66459P, B66459K	475, 477
EELP 43	IEC 62317-9	ELP 43/10/28	ELP core	B66291G	B66461G	478, 480
EILP 43	IEC 62317-9	I 43/4/28 (+ ELP 43/10/28)	I core	B66291P, B66291K	B66461P, B66461K	479, 481
EELP 58	IEC 62317-9	ELP 58/11/38	ELP core		B66293G	482
EILP 58	IEC 62317-9	I 58/4/38 (+ ELP 58/11/38)	I core		B66293P, B66293K	483
EELP 64	IEC 62317-9	ELP 64/10/50	ELP core		B66295G	484
EILP 64	IEC 62317-9	I 64/5/50 (+ ELP 64/10/50)	I core		B66295P, B66295K	485
EELP 102	IEC 62317-9	ELP 102/20/38	ELP core		B66297G	486
EILP 102	IEC 62317-9	I 102/20/38 (+ ELP 102/20/38)	I core		B66297P	487





Selector guide

EQ cores

Core set	Standards	Core types	Individual parts of assembly set	Part number	Page
EEQ 13	IEC 62317-9	EQ 13/2.85/9	Core	B66479	489
EIQ 13	IEC 62317-9	EQ 13/2.85/9 + I 13/1/9	EQ core	B66479G	490
			I core	B66479P	490
EEQ 20	IEC 62317-9	EQ 20/6.3/14	Core	B66483	491
EIQ 20	IEC 62317-9	EQ 20/6.3/14 + I 20/2.3/14	EQ core	B66483G	492
			I core	B66483P	492
EEQ 25	IEC 62317-9	EQ 25/8/18	Core	B66481	493
EIQ 25	IEC 62317-9	EQ 25/8/18 + I 25/2.3/18	EQ core	B66481G	494
			I core	B66481P	494
EEQ 30	IEC 62317-9	EQ 30/8/20	Core	B66506	495
EIQ 30	IEC 62317-9	EQ 30/8/20 + I 30/2.7/20	EQ core	B66506G	496
			I core	B66506P	496

Selector guide

ER planar cores

Core types	Standards	Mounting dimensions (mm) of assembly set L × W × H ¹⁾	Individual parts of assembly set	Part number	Page
ER 9.5/5	IEC 62317-9	12 × 10 × 5.7	Core	B65523	498
			Coil former 	B65527	499
			Yoke	B65527	499
ER 11/5	IEC 62317-9	12.8 × 11.7 × 6	Core	B65525	500
			Coil former 	B65526	501
			Yoke	B65526	501
ER 14.5/6	IEC 62317-9		Core	B65513	502
ER 18/3/10	IEC 62317-9		Core	B66480	503
ER 23/5/13	IEC 62317-9		Core	B66482	504
ER 23/5/13 + I 23/2/13	IEC 62317-9		ER core	B66482G	505
			I core	B66482P	505
ER 25/6/15	IEC 62317-9		Core	B66484	506
ER 25/6/15 + I 25/3/15	IEC 62317-9		ER core	B66484G	507
			I core	B66484P	507
ER 32/5/21	IEC 62317-9		Core	B66501	508

ER cores

Core types	Standards	Mounting dimensions (mm) of assembly set L × W × H ¹⁾	Individual parts of assembly set	Part number	Page
ER 28/17/11	IEC 62317-7		Core	B66433	510
ER 35/20/11	IEC 62317-7		Core	B66350	511
ER 42/22/15		33 × 46 × 55	Core	B66347	512
			Coil former	B66348	513
ER 46/17/18			Core	B66377	514
ER 49/27/17	IEC 62317-7		Core	B66391	515
ER 54/18/18			Core	B66357	516

1) Height above mounting plane

ETD cores

Core type	Standards	Mounting dimensions (mm) of assembly set L × W × H ¹⁾	Individual parts of assembly set	Part number	Page
ETD 29/16/10	IEC 61185	35.5 × 35.5 × 25.5 24 × 35.5 × 41.2	Core	B66358	518
			Coil former (horizontal)	B66359	519
			Coil former (vertical)	B66359	520
			Yoke	B66359	519, 520
ETD 34/17/11	IEC 61185	43 × 40 × 35 27.5 × 40 × 46	Core	B66361	521
			Coil former (horizontal)	B66362	523
			Coil former (vertical)	B66362	524
			Yoke	B66362	523, 524
ETD 39/20/13	IEC 61185	48 × 45 × 38	Core	B66363	525
			Coil former/Yoke	B66364	526
ETD 44/22/15	IEC 61185	53 × 50 × 41	Core	B66365	527
			Coil former/Yoke	B66366	529
ETD 49/25/16	IEC 61185	58 × 55 × 43.5	Core	B66367	530
			Coil former/Yoke	B66368	532
ETD 54/28/19	IEC 61185	62 × 62 × 47	Core	B66395	533
			Coil former/Yoke	B66396	535
ETD 59/31/22	IEC 61185	67 × 71 × 50	Core	B66397	536
			Coil former/Yoke	B66398	538


1) Height above mounting plane

Selector guide

EFD, EV cores

Core type	Mounting dimensions (mm) of assembly set (L × W × H ¹⁾)	Individual parts of assembly set	Part number	Page
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EFD cores

EFD 10/5/3		Core	B66411	540
EFD 15/8/5	19.3 × 17 × 8 21 × 16 × 8	Core	B66413	541
		Coil former/Yoke	B66414	542
		Coil former/Yoke 	B66414	543
		Cover plate	B66414	543
EFD 20/10/7	24.3 × 22 × 10	Core	B66417	544
		Coil former/Yoke	B66418	545
EFD 25/13/9	29.3 × 27.3 × 12.5	Core	B66421	546
		Coil former/Yoke	B66422	547
EFD 30/15/9	34.4 × 32.5 × 12.5	Core	B66423	548
		Coil former/Yoke	B66424	549

EV cores

EV 15/9/7		Core	B66434	550
EV 25/13/13		Core	B66408	551
EV 30/16/13		Core	B66432	552

1) Height above mounting plane