



Test/Bw Freq./Min. (MHz)/(MHz)	Selectivity (Min.) dB (MHz) dB (MHz)	Ripple/Loss dB/dB	Digi-Key Part No.	Cut Tape Pricing 1 10	Tape and Reel Pricing	Toko Part No.
<b>Fig. 1 — 5CHW Type — Surface Mount</b>						
427/10	20 (+50) 14 (-50)	0.5/3.0	TKS5441CT-ND	19.90 159.20	8932.50/750	492S-1053A
435/10	20 (+50) 14 (-50)	0.5/3.5	TKS5442CT-ND	19.90 159.20	—	492S-1055A
456/10	16 (+50) 12 (-50)	0.5/3.5	TKS5444CT-ND	19.90 159.20	8932.50/750	492S-1059A
<b>Fig. 2 — 5CHT Type — Surface Mount</b>						
425/10	30 (+50) 30 (-50)	0.5/4.5	TKS5450CT-ND	27.25 218.00	10218.75/750	493S-1068A
430/10	30 (+50) 30 (-50)	0.5/4.5	TKS5451CT-ND	27.25 218.00	10218.75/750	493S-1069A
440/10	27 (+50) 27 (-50)	0.5/4.5	TKS5452CT-ND	27.25 218.00	—	493S-1071A
452/10	27 (+50) 27 (-50)	0.5/4.5	TKS5453CT-ND	27.25 218.00	10218.75/750	493S-1073A
<b>Fig. 3 — 5CHLW Type — Surface Mount</b>						
836/23	14 (+100) 22 (-100)	1.5/4.0	TKS5432CT-ND	13.17 104.23	—	477MS-1093A
881/23	12 (+100) 19 (-100)	1.0/2.5	TKS5435CT-ND	13.17 104.23	—	477MS-1094A
915/25	18 (+100) 25 (-100)	1.0/2.5	TKS5437CT-ND	20.90 167.20	5800.00/1000	477MS-1035A
933/25	18 (+100) 25 (-100)	1.0/2.5	TKS5438CT-ND	20.90 167.20	5800.00/1000	477MS-1036A

† For Tape and Reel part number, change CT-ND to TR-ND.

Test / Bw Freq. / Min. (MHz) / (MHz)	Selectivity (Min.) dB (MHz) dB (MHz)	Ripple/ Loss dB / dB	Digi-Key Part No.	Pricing 1 10 50	Toko Part No.
<b>Fig. 4 — 5HW Type</b>					
365 / 6	20 (-50) 25 (+50)	1.0 / 4.5	TKS5414-ND	26.05 208.40 989.90	5HW-35045A-365
820 / 16	22 (-100) 24 (+100)	1.0 / 3.5	TKS5419-ND	26.05 208.40 989.90	5HW-78045A-820
1010 / 16	14 (-100) 18 (+100)	1.0 / 3.5	TKS5421-ND	26.05 208.40 989.90	5HW-100090A-1010
1305 / 25	18 (-100) 20 (+100)	1.0 / 3.5	TKS5423-ND	26.05 208.40 989.90	5HW-125055F-1305
<b>Fig. 5 — 5HT Type</b>					
360 / 16	33 (-50) 25 (+50)	1.0 / 4.0	TKS5401-ND	23.70 189.60 900.60	5HT-36020AS-360
440 / 14	28 (-50) 25 (+50)	1.0 / 4.0	TKS5403-ND	23.70 189.60 900.60	5HT-44020AS-440

Test / Bw Freq. / Min. (MHz) / (MHz)	Selectivity (Min.) dB (MHz) dB (MHz)	Ripple/ Loss dB / dB	Digi-Key Part No.	Pricing 1 10 50	Toko Part No.
515 / 16	25 (-50) 20 (+50)	1.0 / 4.0	TK5405-ND	23.70 189.60 900.60	5HT-51535AS-515
655 / 12	30 (-50) 26 (+50)	1.0 / 4.0	TK5407-ND	23.70 189.60 900.60	5HT-65550F-655
735 / 15	28 (-50) 24 (+50)	1.0 / 4.0	TK5408-ND	23.70 189.60 900.60	5HT-73565F-735
830 / 15	26 (-50) 22 (+50)	1.0 / 4.0	TK5409-ND	23.70 189.60 900.60	5HT-83050F-830
<b>Fig. 6 — 7HW Type</b>					
435 / 10.5	17 (-5) 14 (+15)	1.5 / 3.0	TK3302-ND	20.45 163.60 777.10	252MXP-2537A
453 / 11.5	16 (-3) 13 (+7)	1.5 / 2.5	TK3303-ND	20.45 163.60 777.10	252MXP-2767A
480 / 12.5	14 (-10) 11 (+10)	1.5 / 2.5	TK3305-ND	19.43 174.83 777.00	252MXP-2765A
550 / 7	23 (-10) 20 (+15)	1.5 / 3.5	TK3307-ND	10.23 92.03 409.00	252HXP-2736F
600 / 8	23 (-5) 21 (+15)	1.5 / 3.5	TK3308-ND	20.45 163.60 777.10	252HXP-2733F
830 / 13.5	20 (-35) 18 (+10)	1.5 / 3.0	TK3311-ND	20.45 163.60 777.10	252HXP-2774F
<b>Fig. 7 — 7HT Type</b>					
880 / 20	16 (-40) 10 (+40)	2.0 / 3.0	TK3404-ND	28.65 229.20 1088.70	302HXP-1339D1
1015 / 20	20 (-40) 16 (+40)	2.0 / 4.0	TK3406-ND	28.65 229.20 1088.70	302HXP-1271B
813 / 17	23 (-50) 16 (+50)	0.5 / 3.0	TK3409-ND	28.65 229.20 1088.70	302HXP-1341D1
456 / 4.5	29 (-20) 22 (+20)	0.5 / 5.0	TK3410-ND	28.65 229.20 1088.70	302HXP-1035D
<b>Fig. 8 — CBW Type</b>					
220 / 2.0	20 (-15) 18 (+15)	0.5 / 3.0	TK3601-ND	32.25 258.00 1225.50	271MT-1166A
167 / 2.4	19 (-10) 17 (+10)	1.0 / 2.5	TK3605-ND	32.25 258.00 1225.50	271MT-1136A
187 / 2.8	15 (-10) 14 (+10)	1.0 / 2.5	TK3603-ND	32.25 258.00 1225.50	271MT-1143A
216 / 3.0	15 (-10) 14 (+10)	1.0 / 3.0	TK3602-ND	32.25 258.00 1225.50	271MT-1145A
<b>Fig. 9 — CBT Type</b>					
145 / 2.8	25 (-6) 25 (+6)	0.5 / 8.0	TK3506-ND	48.30 386.40 1835.40	272MT-1006A
145 / 1.2	30 (-6) 30 (+6)	0.5 / 8.0	TK3504-ND	48.30 386.40 1835.40	272MT-1008A
223 / 2.6	28 (-10) 40 (+20)	0.5 / 6.0	TK3501-ND	48.30 386.40 1835.40	272MT-1080A

**EPCOS Ferrite Toroid Cores for Chokes and Transformers**

Epcos Ferrite Toroid Cores are used primarily as EMC chokes for suppressing RF interference in the MHz region and in signal.



Dimensions — mm	Relative Initial Permeability	A <sub>L</sub> Value (nH)	Digi-Key Part No.	Pricing 1 100	Epcos Part No.
6.3 3.8 2.5	10,000	2,530	495-3873-ND	.38 2.81 21.88	B64290P0037X038
6.3 3.8 2.5	4,300	1,090	495-3874-ND	.35 2.59 20.13	B64290P0037X830
10.0 6.0 4.0	10,000	4,090	495-3847-ND	.32 2.41 18.73	B64290L0038X038
10.0 6.0 4.0	4,300	1,760	495-3848-ND	.23 1.73 13.48	B64290L0038X830
10.0 6.0 4.0	2,200	900	495-3849-ND	.22 1.62 12.60	B64290L0038X087
12.5 7.5 5.0	10,000	5,110	495-3851-ND	.45 3.35 26.08	B64290L0044X038
12.5 7.5 5.0	4,300	2,200	495-3852-ND	.30 2.23 17.33	B64290L0044X830
12.7 7.9 6.35	2,200	1,300	495-3870-ND	.44 3.33 25.90	B64290L0742X087
16.0 9.6 6.3	6,000	3,870	495-3853-ND	.50 3.71 28.88	B64290L0045X035
16.0 9.6 6.3	10,000	6,440	495-3854-ND	.54 4.07 31.68	B64290L0045X038
16.0 9.6 6.3	4,300	2,770	495-3855-ND	.46 3.47 26.95	B64290L0045X830
16.0 9.6 6.3	2,200	1,420	495-3856-ND	.66 4.95 38.50	B64290L0045X087
20.0 10.0 7.0	5,100	5,000	495-3863-ND	.80 6.03 46.90	B64290L0632X035
20.0 10.0 7.0	4,300	4,160	495-3864-ND	.60 4.52 35.18	B64290L0632X830
22.1 13.7 6.35	2,200	1,340	495-3865-ND	.67 5.00 38.85	B64290L0638X087

Dimensions — mm	Relative Initial Permeability	A <sub>L</sub> Value (nH)	Digi-Key Part No.	Pricing 1 100	Epcos Part No.
25.3 14.8 10.0	6,500	6,970	495-3859-ND	.83 6.26 48.65	B64290L0618X037
25.3 14.8 10.0	5,000	5,400	495-3860-ND	.89 6.68 51.98	B64290L0618X035
25.3 14.8 10.0	10,000	10,700	495-3861-ND	1.21 9.07 70.53	B64290L0618X038
25.3 14.8 10.0	4,300	4,620	495-3862-ND	.78 5.83 45.33	B64290L0618X830
34.0 20.5 12.5	4,300	5,460	495-3857-ND	3.71 27.83 216.48	B64290L0048X830
34.0 20.5 10.0	4,300	4,360	495-3868-ND	2.39 17.91 139.30	B64290L0058X830
36.0 23.0 15.0	10,000	13,500	495-3868-ND	3.90 29.23 227.33	B64290L0674X038
36.0 23.0 15.0	4,300	5,750	495-3869-ND	3.32 24.91 193.73	B64290L0674X830
38.1 19.05 12.7	10,000	17,600	495-3867-ND	3.28 24.62 191.45	B64290L0668X038
40.0 24.0 16.0	4,300	7,000	495-3866-ND	3.47 26.03 202.48	B64290L0659X830
41.8 26.2 12.5	4,300	5,000	495-3846-ND	3.78 28.37 220.68	B64290L0022X830
50.0 30.0 20.0	4,300	8,700	495-3871-ND	8.83 66.26 515.32	B64290L0082X830
50.0 30.0 20.0	2,200	4,460	495-3872-ND	8.25 61.88 481.25	B64290L0082X087
58.3 40.8 17.6	4,300	5,400	495-3850-ND	11.24 84.29 655.55	B64290L0040X830
102 65.8 15.0	4,200	5,500	495-3845-ND	51.53 386.46 3005.80	B64290L0084X830

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