

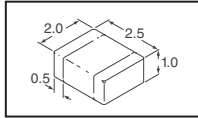
TAIYO YUDEN

NEW! CKP Series Chip Inductors



Features:

- Low profile below 1mm
- Low DC power dissipation due to low RDC with high aspect ratio internal conductor



Applications:

- DC/DC converter for mobile equipment (Cellular phones, DSC, DVC)

Inductance Size	Inductance (µH)	Tolerance	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel† Pricing 3,000	Taiyo Yuden Part No.
				10	50	100		
1008	1.0	±20%	587-2091-1-ND	.42	.38	.34	145.00/M	CKP25201R0M-T
	2.2		587-2092-1-ND	.48	.43	.38	166.00/M	CKP25202R2M-T
	4.7		587-2093-1-ND	.48	.43	.38	166.00/M	CKP25204R7M-T

† For Tape and Reel part number, change 1-ND to 2-ND.

NEW! Common Mode Choke Coil

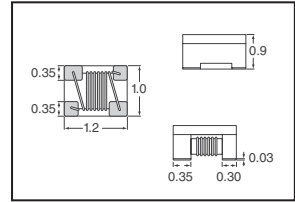


For DC and Signal Lines



Specifications:

- Operating Temperature Range: -40°C ~ 105°C
- Cutoff Frequency: 8.0GHz typical
- Insulation Resistance: 100MΩ minimum
- Rated Voltage: 20VDC



Typical Impedance @100MHz (Ω)	Rated Current (mA)	Maximum Resistance (Ω)	Digi-Key Part No.	Cut Tape Price Each			Tape & Reel† Pricing 3,000	Taiyo Yuden Part No.
				10	50	100		
90	250	0.5	587-2090-1-ND	.65	.59	.52	228.00/M	CM01H900T

† For Tape and Reel part number, change 1-ND to 2-ND.

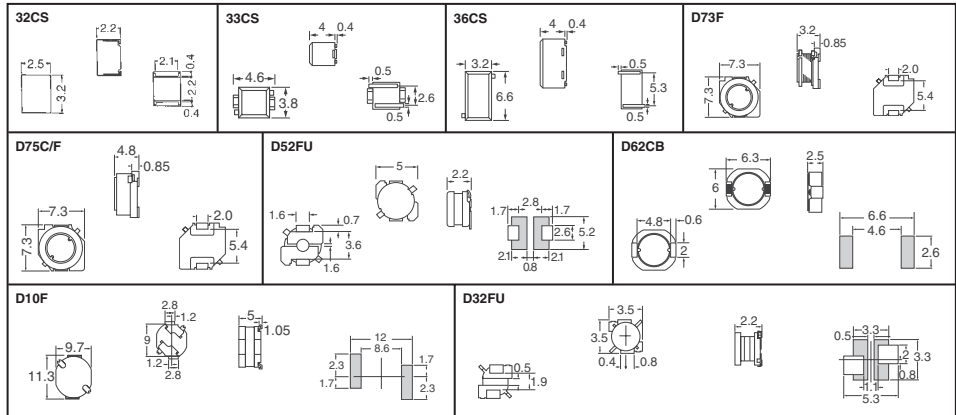
TOKO

Fixed Surface Mount Inductors – 32CS, 33CS, 36CS, D73F, D75C, D75F, D52FU, D62CB, D10F and D32FU Types



Features:

- 32CS:** • For dip-soldering type • Very small
- 33CS, 36CS:** • High current • High Q for reflow soldering
- D73F, D75C/F:** • Miniature surface mount type • Low profile (3.2 or 4.8mm height) • Available in magnetically shielded or unshielded versions • Operating Temperature: -40°C ~ 80°C • Step up/Step down inductor for up to 4W DC/DC converter circuit • Current limiting inductor for DC/AC inverter circuit
- D52FU:** • Low profile (2.2mm typical height) and 5mm square • Ideal for IC inverter EL lamp driver applications • Magnetically shielded version • Available on tape and reel for auto-insertion • Suitable for reflow soldering
- D62CB (with Ferrite Shield):** • Low profile (2.5mm maximum) • Ideal for a variety of DC-DC converter inductor applications • Magnetically shielded
- D10F:** • Low profile SMD type (5mm high) • Suitable for large current • Suitable for reflow soldering
- D32FU:** • Low profile (2.2mm maximum) and 3.5mm square • Ideal for IC inverter EL lamp driver applications • Available on tape and reel for auto-insertion • Suitable for reflow soldering



Induct. L Nom.	L Tol. (%)	Q Min	Test Frequency	Rated DC Current	Digi-Key Part No.	Cut Tape Price Each			Tape & Reel† Pricing	Toko Part No.	
						1	10	100			
32CS Type											
68nH	±20	26	100MHz	320mA	TKS1011CT-ND	1.50	1.16	.87	1,500	524.00/M	380NB-68NM
1.0µH	±10	30	7.96MHz	235mA	TKS1025CT-ND	1.50	1.16	.87	1,500	524.00/M	380LB-1R0K
220µH	±5	18	.796MHz	30.0mA	TKS1053CT-ND	1.50	1.16	.87	—	—	380HB-221J
33CS Type											
6.8nH	±10	70	150MHz	1000mA	TKS2673CT-ND	1.01	.78	.59	2,000	760.00/M	Y655LY-01K
15.3nH	±10	75	150MHz	1000mA	TKS2675CT-ND	2.18	1.68	1.26	—	—	Y655LY-03K
36CS Type											
22nH	±10	85	150MHz	1000mA	TKS2677CT-ND	2.13	1.64	1.23	2,000	820.00/M	656LZ-05K
27.5nH	±10	85	150MHz	1000mA	TKS2678CT-ND	2.13	1.64	1.23	2,000	820.00/M	656LZ-06K

Induct. L Nom.	L Tol. (%)	Test Frequency	Rated DC Current	Digi-Key Part No.	Cut Tape Price Each			Tape & Reel† Pricing	Toko Part No.
					1	10	100		
D73F Type, Unshielded									
10µH	±20	100kHz	1.41A	TKS2526CT-ND	3.17	2.44	1.83	—	636FY-100M
68µH	±20	100kHz	.49A	TKS2536CT-ND	3.17	2.44	1.83	1110.00	636FY-680M
82µH	±20	100kHz	.44A	TKS2537CT-ND	2.27	1.75	1.32	—	636FY-820M
100µH	±20	100kHz	.38A	TKS2538CT-ND	3.17	2.44	1.83	1110.00	636FY-101M
D75C Type, with Ferrite Shield									
120µH	±20	100kHz	0.47A	TKS2560CT-ND	3.17	2.44	1.83	—	646CY-121M
D75F Type, Unshielded									
180µH	±10	100kHz	0.35A	TKS2553CT-ND	3.54	2.72	2.04	—	646FY-181K
220µH	±10	100kHz	0.29A	TKS2554CT-ND	3.54	2.72	2.04	1240.00	646FY-221K
270µH	±10	100kHz	0.28A	TKS2555CT-ND	3.54	2.72	2.04	—	646FY-271K
390µH	±10	100kHz	0.215A	TKS2557CT-ND	3.54	2.72	2.04	1360.00	646FY-391K
470µH	±10	100kHz	0.195A	TKS2558CT-ND	3.54	2.72	2.04	1240.00	646FY-471K

Induct. L Nom.	L Tol. (%)	SRF (MHz)	DC Resistance (Ω)	Rated DC Current	Digi-Key Part No.	Cut Tape Price Each			Tape & Reel† Pricing	Toko Part No.
						1	10	100		
D52FU Type										
470µH	±20	5.17	6.78	140mA	TKS3500CT-ND	1.88	1.41	1.30	801.00/M	875FU-471M
680µH	±20	4.27	10.79	115mA	TKS3502CT-ND	1.88	1.41	1.30	801.00/M	875FU-681M
820µH	±20	3.94	12.35	105mA	TKS3503CT-ND	1.88	1.41	1.30	—	875FU-821M
1200µH	±20	3.17	18.64	88mA	TKS3505CT-ND	1.88	1.41	1.30	801.00/M	875FU-122M
3900µH	±20	1.81	58.84	50mA	TKS3511CT-ND	1.88	1.41	1.30	801.00/M	875FU-392M

Induct. L Nom.	L Tol. (%)	DC Resistance (mΩ)	Max. DC Current	Digi-Key Part No.	Cut Tape Price Each			Tape & Reel† Pricing	Toko Part No.
					1	10	100		
D62CB Type									
27.0	±20	170	0.64A	TKS5521CT-ND	3.22	2.48	1.86	—	A920CY-270M
39.0	±20	245	0.53A	TKS5523CT-ND	3.22	2.48	1.86	1128.00/M	A920CY-390M

Induct. L Nom.	L Tol. (%)	Test Freq.	DC Resistance (Ω)	Max. DC Current	Digi-Key Part No.	Cut Tape Price Each			Tape & Reel† Pricing	Toko Part No.
						1	10	100		
D10F Type										
12	±20	100kHz	0.050	2.48A	TKS5461CT-ND	4.78	3.68	2.76	1050.00	A814AY-120M
15	±20	100kHz	0.058	2.27A	TKS5462CT-ND	4.78	3.68	2.76	—	A814AY-150M
18	±20	100kHz	0.067	2.15A	TKS5463CT-ND	4.78	3.68	2.76	—	A814AY-180M
33	±20	100kHz	0.095	1.72A	TKS5466CT-ND	4.78	3.68	2.76	—	A814AY-330M
39	±20	100kHz	0.12	1.58A	TKS5467CT-ND	4.78	3.68	2.76	—	A814AY-390M
180	±10	100kHz	0.53	0.73A	TKS5475CT-ND	4.78	3.68	2.76	—	A814AY-181K
390	±10	100kHz	1.09	0.49A	TKS5479CT-ND	4.78	3.68	2.76	1050.00	A814AY-391K
560	±10	100kHz	1.63	0.41A	TKS5481CT-ND	4.78	3.68	2.76	—	A814AY-561K

Induct. L Nom.	L Tol. (%)	DC Resistance (Ω)	Max. DC Current	Digi-Key Part No.	Cut Tape Price Each			Tape & Reel† Pricing	Toko Part No.
					1	10	100		
D32FU Type									
0.39	±20	12	98mA	TKS5531CT-ND	2.13	1.64	1.23	—	887FU-391M
0.47	±20	14	90mA	TKS5532CT-ND	2.13	1.64	1.23	—	887FU-471M
0.68	±20	20	74mA	TKS5534CT-ND	2.13	1.64	1.23	660.00/M	887FU-681M
0.82	±20	30	71mA	TKS5535CT-ND	2.13	1.64	1.23	660.00/M	887FU-821M
1.2	±20	35	57mA	TKS5537CT-ND	2.13	1.64	1.23	820.00/M	887FU-122M
1.8	±20	59	46mA	TKS5539CT-ND	2.13	1.64	1.23	820.00/M	887FU-182M
2.5	±20	81	42mA	TKS5541CT-ND	2.13	1.64	1.23	820.00/M	887FU-252M
2.7	±20	93	38mA	TKS5542CT-ND	2.13	1.64	1.23	—	887FU-272M

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

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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