

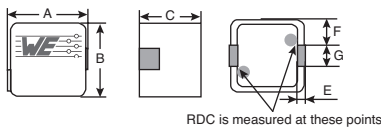
# WURTH ELECTRONICS SMD Inductors



This product is RoHS compliant.

## SMD HIGH CURRENT CUBE INDUCTOR, FERRITE FILTER CHOKE WE-HCC

- Features:**
- Magnetically shielded
  - Operating temperature: -40°C to +125°C
  - Current capability up to 27 A



RDC is measured at these points

DIMENSIONS: mm						
Type	A	B	C	D	E	F
8070	8.4	7.9	7.2	2.3	1.5	2.75
1090	10.9	10.0	9.3	3.0	1.6	3.5
1210	12.1	11.4	9.5	3.5	2.0	3.9

- Applications:**
- Filter choke for DC/DC converter
  - Single and polyphase buck converter
  - Filter choke for motor electronics

## DESIGN KIT HIGH CURRENT WE-HCC



Kit includes parts listed below: 139 total pieces  
 8070 (7 parts - 5 of each)  
 1090 (13 parts - 4 of each)  
 1210 (13 parts - 4 of each)

MOUSER STOCK NO.	Wurth Electronics Part No.	Price Each
710-744332	744332	145.45

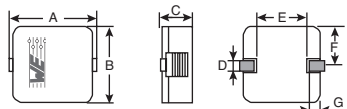
For quantities greater than listed, call for a quote.

MOUSER STOCK NO.	Wurth Electronics Part No.	Type	Inductance (µF)	Rated Current (A)	Saturation Current (A)	DC Resistance (mΩ)	SRF (MHz)	Price Each			Reel Quantity	Price per Piece
								1	25	100		
710-7443340030	7443340030	8070	0.3	20.5	36	1.4	272	3.76	2.90	2.42	500	1.58
710-7443340047	7443340047	8070	0.47	19	32	1.72	232	3.76	2.90	2.42	500	1.58
710-7443340068	7443340068	8070	0.68	19	23.5	1.72	181	3.76	2.90	2.42	500	1.58
710-7443340100	7443340100	8070	1	17	24	2.95	147	3.76	2.90	2.42	500	1.58
710-7443340150	7443340150	8070	1.5	16.5	18.5	4.4	120	3.76	2.90	2.42	500	1.58
710-7443340220	7443340220	8070	2.2	16.5	12.5	4.4	97	3.76	2.90	2.42	500	1.58
710-7443340330	7443340330	8070	3.3	14	8.5	6.5	81	3.76	2.90	2.42	500	1.58
710-7443330022	7443330022	1090	0.22	21.5	60	0.6	300	3.24	2.59	2.16	400	1.88
710-7443330033	7443330033	1090	0.33	21.5	55	0.6	250	3.24	2.59	2.16	400	1.88
710-7443330047	7443330047	1090	0.47	20.5	47	0.8	160	3.24	2.59	2.16	400	1.88
710-7443330068	7443330068	1090	0.68	20	38	1.35	140	3.24	2.59	2.16	400	1.88
710-7443330082	7443330082	1090	0.82	20	36	1.35	120	3.24	2.59	2.16	400	1.88
710-7443330100	7443330100	1090	1	20	27.5	1.35	100	3.24	2.59	2.16	400	1.88
710-7443330150	7443330150	1090	1.5	18	27	2.5	78	3.24	2.59	2.16	400	1.88
710-7443330220	7443330220	1090	2.2	16.5	22	3.7	80	3.24	2.59	2.16	400	1.88
710-7443330330	7443330330	1090	3.3	14	15.5	5.4	51	3.24	2.59	2.16	400	1.88
710-7443330470	7443330470	1090	4.7	13	15	8.2	49	3.24	2.59	2.16	400	1.88
710-7443330680	7443330680	1090	6.8	11.5	11	13.2	40	3.24	2.59	2.16	400	1.88
710-7443330820	7443330820	1090	8.2	11.5	8	13.2	36	3.24	2.59	2.16	400	1.88
710-7443331000	7443331000	1090	10	9	8	20.7	35	2.64	2.20	1.87	400	1.88
710-7443320022	7443320022	1210	0.22	27	60	0.53	280	4.78	3.83	3.15	300	2.18
710-7443320033	7443320033	1210	0.33	27	55	0.53	214	4.78	3.83	3.15	300	2.18
710-7443320047	7443320047	1210	0.47	26	48	0.72	138	4.78	3.83	3.15	300	2.18
710-7443320068	7443320068	1210	0.68	26	38	0.72	108	4.78	3.83	3.15	300	2.18
710-7443320082	7443320082	1210	0.82	24	36	1.17	99	4.78	3.83	3.15	300	2.18
710-7443320100	7443320100	1210	1	24	32	1.17	96	4.78	3.83	3.15	300	2.18
710-7443320150	7443320150	1210	1.5	19.5	27	2.1	92	4.78	3.83	3.15	300	2.18
710-7443320220	7443320220	1210	2.2	18	23	3.05	64	4.78	3.83	3.15	300	2.18
710-7443320330	7443320330	1210	3.3	17	17	4.4	44	4.78	3.83	3.15	300	2.18
710-7443320470	7443320470	1210	4.7	15.5	17	6.35	43	4.78	3.83	3.15	300	2.18
710-7443320680	7443320680	1210	6.8	13	13	8.98	42	4.78	3.83	3.15	300	2.18
710-7443320820	7443320820	1210	8.2	13	12	9.9	34	4.78	3.83	3.15	300	2.18
710-7443321000	7443321000	1210	10	9	10	14.4	29	4.78	3.83	3.15	300	2.18

## SMD FLAT WIRE HIGH CURRENT INDUCTOR WE-HCI

- Features:**
- Magnetically shielded
  - Operating temperature: -40°C to +125°C / +150°C
  - Flat wire coil for low losses at high frequency
  - Low stray field

- Applications:**
- Graphic cards
  - Laptops
  - Industrial computers
  - Motherboards
  - High current switching regulators
  - DC/DC converter
  - Polyphase-switching regulators
  - Filter



DIMENSIONS: mm							
Type	A	B	C	D	E	F	G
1890	18.3	18.2	8.9	4.2	8.0	9.0	5.0

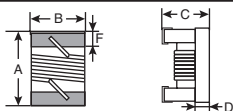
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MOUSER STOCK NO.	Wurth Electronics Part No.	Type	Inductance (µF)	Rated Current (A)	Saturation Current (A)	DC Resistance (mΩ)	SRF (MHz)	Price Each			Reel Quantity	Price per Piece
								1	25	100		
710-7443556082	7443556082	1890	0.82	41.5	65	0.54	85	12.92	9.77	7.68	150	7.68
710-7443556130	7443556130	1890	1.3	34.5	62	0.94	78	12.92	9.77	7.68	150	7.68
710-7443556190	7443556190	1890	1.9	32.5	52	1.2	51	12.92	9.77	7.68	150	7.68
710-7443556260	7443556260	1890	2.6	31.5	50	1.58	42	12.92	9.77	7.68	150	7.68
710-7443556350	7443556350	1890	3.5	22.5	37	3.1	38	12.92	9.77	7.68	150	7.68
710-7443556450	7443556450	1890	4.5	20.5	37	3.4	35	12.92	9.77	7.68	150	7.68
710-7443556560	7443556560	1890	5.6	19	33	3.7	28	12.92	9.77	7.68	150	7.68
710-7443556680	7443556680	1890	6.8	18.5	27	4.1	24	12.92	9.77	7.68	150	7.68
710-74435561100	74435561100	1890	10	15	21.5	6.9	14	12.92	9.77	7.68	150	7.68
710-74435571100	74435571100	1890	10	16.5	18.5	6.9	16	12.92	9.77	7.68	150	7.68
710-74435571500	74435571500	1890	15	14	14	9	14	12.92	9.77	7.68	150	7.68
710-74435572200	74435572200	1890	22	11	11	14.6	10.5	12.92	9.77	7.68	150	7.68
710-74435573300	74435573300	1890	33	8.5	9	21.7	9.5	12.92	9.77	7.68	150	7.68
710-74435574700	74435574700	1890	47	6.8	7	33.5	7.5	12.92	9.77	7.68	150	7.68

## SMD WIRE WOUND CERAMIC INDUCTOR WE-KI

- Features:**
- High thermal stability
  - Operating temperature: -40°C to +125°C

- Applications:**
- RF transceiver/communications
  - Developed for high frequency applications
  - Bluetooth and Wireless LAN



DIMENSIONS: mm									
Type	A	B	C	D	F	H	I	J	
0402	1	0.55	0.5	0.2	-	0.65	0.375	0.45	
0603	1.65	1.15	0.9	0.5	0.3	0.762	0.625	0.65	
1008	2.5	2.0	1.6	0.5	0.5	2.2	0.9	1.2	

For quantities greater than listed, call for a quote.

MOUSER STOCK NO.	Wurth Electronics Part No.	Type	Inductance (nH)	Test condition Inductance	Q-factor	Test condition Q factor	Rated Current (mA)	DC Resistance	SRF (MHz)	Price Each				Reel Quantity	Price per Piece
										1	25	100	500		
710-744765010A	744765010A	0402	1	250	13	250	1360	0.045	6000	.87	.78	.67	.303	3000	.236
710-744765019A	744765019A	0402	1.9	250	16	250	1040	0.07	6000	.87	.78	.67	.303	3000	.236
710-744765020A	744765020A	0402	2	250	16	250	1040	0.07	6000	.87	.78	.67	.303	3000	.236
710-744765022A	744765022A	0402	2.2	250	18	250	960	0.07	6000	.87	.78	.67	.303	3000	.236
710-744765024A	744765024A	0402	2.4	250	16	250	790	0.068	6000	.87	.78	.67	.303	3000	.236
710-744765027A	744765027A	0402	2.7	250	16	250	640	0.12	6000	.87	.78	.67	.303	3000	.236
710-744765033A	744765033A	0402	3.3	250	20	250	840	0.066	6000	.87	.78	.67	.303	3000	.236
710-744765036A	744765036A	0402	3.6	250	20	250	840	0.066	6000	.87	.78	.67	.303	3000	.236
710-744765039A	744765039A	0402	3.9	250	20	250	840	0.066	5800	.87	.78	.67	.303	3000	.236