

SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HS- FC SERIES

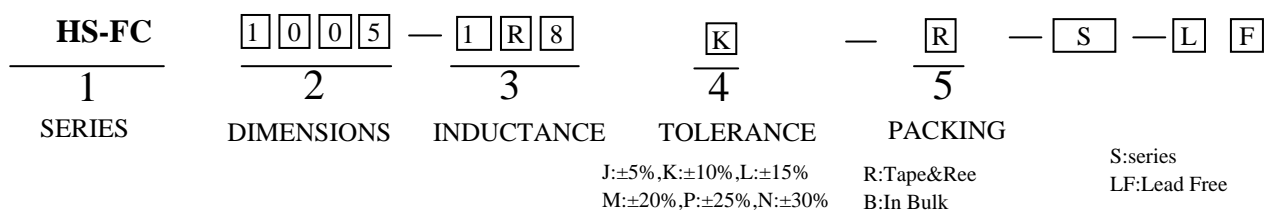
1. FEATURES:

- (1) Monolithic inorganic material construction.
- (2) Closed magnetic circuit avoids crosstalk.
- (3) Suitable for flow and reflow soldering.
- (4) Available in various sizes.
- (5) Excellent solderability and heat resistance, high reliability.

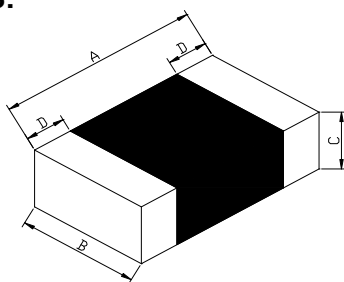
2. APPLICATIONS:

Mobile phones; wireless phones; cordless phones and so on.

3. PART NUMBER SYSTEM:



4. PHYSICAL CHARACTERISTICS:



Type	Dimension(mm)			
	A	B	C	D
HS-FC1005	1.0+/-0.15	0.5+/-0.15	0.5+/-0.15	0.25+/-0.1
HS-FC1608	1.6+/-0.15	0.8+/-0.15	0.8+/-0.15	0.3+/-0.2
HS-FC2012	2.0+/-0.2	1.25+/-0.2	0.85+/-0.2(1.25+/-0.2)	0.5+/-0.3

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5. ELECTRICAL CHARACTERISTICS:

Part Number	Thickness C Size (mm)	Inductance (μ H)	Q (min)	DCR(max) (Ω)	IDC(max) (mA)	SRF (min) (MHz)	Testing Freq (MHz)
HS-FC1005-47N□	0.5±0.15	0.047	10	0.45	25	220	50
HS-FC1005-56N□	0.5±0.15	0.056	10	0.45	25	220	50
HS-FC1005-68N□	0.5±0.15	0.068	10	0.45	25	210	50
HS-FC1005-82N□	0.5±0.15	0.082	10	0.45	25	200	50
HS-FC1005-R10□	0.5±0.15	0.1	15	0.7	25	200	25
HS-FC1005-R12□	0.5±0.15	0.12	15	0.7	25	165	25
HS-FC1005-R15□	0.5±0.15	0.15	15	0.9	25	140	25
HS-FC1005-R18□	0.5±0.15	0.18	15	1.1	25	120	25
HS-FC1005-R22□	0.5±0.15	0.22	15	1.2	25	110	25
HS-FC1005-R27□	0.5±0.15	0.27	15	1.2	25	95	25
HS-FC1005-R33□	0.5±0.15	0.33	15	1.25	18	85	25
HS-FC1005-R39□	0.5±0.15	0.39	15	1.5	18	70	25
HS-FC1005-R47□	0.5±0.15	0.47	20	2	18	68	25
HS-FC1005-R56□	0.5±0.15	0.56	20	2.35	18	55	25
HS-FC1005-R68□	0.5±0.15	0.68	20	2.55	18	50	25
HS-FC1005-R82□	0.5±0.15	0.82	20	3.15	18	45	25
HS-FC1005-1R0□	0.5±0.15	1	20	0.9	15	40	10
HS-FC1005-1R2□	0.5±0.15	1.2	20	1.2	15	35	10
HS-FC1005-1R5□	0.5±0.15	1.5	20	1.2	15	30	10
HS-FC1005-1R8□	0.5±0.15	1.8	20	1.45	15	30	10
HS-FC1005-2R2□	0.5±0.15	2.2	20	1.75	10	28	10
HS-FC1005-2R7□	0.5±0.15	2.7	20	2	10	22	10
HS-FC1005-3R3□	0.5±0.15	3.3	20	2.35	10	20	10
HS-FC1005-3R9□	0.5±0.15	3.9	20	2.55	10	18	10
HS-FC1005-4R7□	0.5±0.15	4.7	20	3.15	10	15	10
HS-FC1005-5R6□	0.5±0.15	5.6	20	2.35	3	13	4
HS-FC1005-6R8□	0.5±0.15	6.8	20	2.55	3	11	4
HS-FC1005-8R2□	0.5±0.15	8.2	20	3.15	3	10	4
HS-FC1005-100□	0.5±0.15	10	20	3.45	2	9	2

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HS-FC1608-47N□	0.8±0.2	0.047	10	0.30	50	260	50
HS-FC1608-68N□	0.8±0.2	0.068	10	0.30	50	250	50
HS-FC1608-82N□	0.8±0.2	0.082	10	0.30	50	245	50
HS-FC1608-R10□	0.8±0.2	0.10	15	0.50	50	240	25
HS-FC1608-R12□	0.8±0.2	0.12	15	0.50	50	205	25
HS-FC1608-R15□	0.8±0.2	0.15	15	0.60	50	180	25
HS-FC1608-R18□	0.8±0.2	0.18	15	0.60	50	165	25
HS-FC1608-R22□	0.8±0.2	0.22	15	0.80	50	150	25
HS-FC1608-R27□	0.8±0.2	0.27	15	0.80	50	136	25
HS-FC1608-R33□	0.8±0.2	0.33	15	0.85	35	125	25
HS-FC1608-R39□	0.8±0.2	0.39	15	1.00	35	110	25
HS-FC1608-R47□	0.8±0.2	0.47	15	1.35	35	105	25
HS-FC1608-R56□	0.8±0.2	0.56	15	1.55	35	95	25
HS-FC1608-R68□	0.8±0.2	0.68	15	1.70	35	80	25
HS-FC1608-R82□	0.8±0.2	0.82	15	2.10	35	75	25
HS-FC1608-1R0□	0.8±0.2	1.0	30	0.60	25	70	10
HS-FC1608-1R2□	0.8±0.2	1.2	30	0.80	25	60	10
HS-FC1608-1R5□	0.8±0.2	1.5	30	0.80	25	55	10
HS-FC1608-1R8□	0.8±0.2	1.8	30	0.95	25	50	10
HS-FC1608-2R2□	0.8±0.2	2.2	30	1.15	15	45	10
HS-FC1608-2R7□	0.8±0.2	2.7	30	1.35	15	40	10
HS-FC1608-3R3□	0.8±0.2	3.3	30	1.55	15	38	10
HS-FC1608-3R9□	0.8±0.2	3.9	30	1.70	15	36	10
HS-FC1608-4R7□	0.8±0.2	4.7	30	2.10	15	33	10
HS-FC1608-5R6□	0.8±0.2	5.6	30	1.55	15	22	4
HS-FC1608-6R8□	0.8±0.2	6.8	30	1.70	15	20	4
HS-FC1608-8R2□	0.8±0.2	8.2	30	2.10	15	18	4
HS-FC1608-100□	0.8±0.2	10.0	30	2.55	15	17	2
HS-FC1608-120□	0.8±0.2	12.0	30	2.75	15	15	1
HS-FC1608-150□	0.8±0.2	15.0	20	1.70	15	14	1
HS-FC1608-180□	0.8±0.2	18.0	20	1.85	15	13	1
HS-FC1608-220□	0.8±0.2	22.0	20	2.15	15	11	1
HS-FC1608-270□	0.8±0.2	27.0	20	2.75	15	10	1
HS-FC1608-330□	0.8±0.2	33.0	20	2.95	15	9	1

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HS-FC2012-47N□	0.85±0.2	0.047	15	0.20	300	320	50
HS-FC2012-68N□	0.85±0.2	0.068	15	0.20	300	280	50
HS-FC2012-82N□	0.85±0.2	0.082	15	0.20	300	255	50
HS-FC2012-R10□	0.85±0.2	0.10	20	0.30	250	235	25
HS-FC2012-R12□	0.85±0.2	0.12	20	0.30	250	220	25
HS-FC2012-R15□	0.85±0.2	0.15	20	0.40	250	200	25
HS-FC2012-R18□	0.85±0.2	0.18	20	0.40	250	185	25
HS-FC2012-R22□	0.85±0.2	0.22	20	0.50	250	170	25
HS-FC2012-R27□	0.85±0.2	0.27	20	0.50	250	150	25
HS-FC2012-R33□	0.85±0.2	0.33	20	0.55	250	145	25
HS-FC2012-R39□	0.85±0.2	0.39	25	0.65	200	135	25
HS-FC2012-R47□	1.25±0.2	0.47	25	0.65	200	125	25
HS-FC2012-R56□	1.25±0.2	0.56	25	0.75	150	115	25
HS-FC2012-R68□	1.25±0.2	0.68	25	0.80	150	105	25
HS-FC2012-R82□	1.25±0.2	0.82	25	1.00	150	100	25
HS-FC2012-1R0□	0.85±0.2	1.0	45	0.40	50	75	10
HS-FC2012-1R2□	0.85±0.2	1.2	45	0.50	50	65	10
HS-FC2012-1R5□	0.85±0.2	1.5	45	0.50	50	60	10
HS-FC2012-1R8□	0.85±0.2	1.8	45	0.60	50	55	10
HS-FC2012-2R2□	0.85±0.2	2.2	45	0.65	30	50	10
HS-FC2012-2R7□	1.25±0.2	2.7	45	0.75	30	45	10
HS-FC2012-3R3□	1.25±0.2	3.3	45	0.80	30	41	10
HS-FC2012-3R9□	1.25±0.2	3.9	45	0.90	30	38	10
HS-FC2012-4R7□	1.25±0.2	4.7	45	1.00	30	35	10
HS-FC2012-5R6□	1.25±0.2	5.6	45	0.90	15	32	4
HS-FC2012-6R8□	1.25±0.2	6.8	45	1.00	15	29	4
HS-FC2012-8R2□	1.25±0.2	8.2	45	1.10	15	26	4
HS-FC2012-100□	1.25±0.2	10.0	45	1.15	15	24	2
HS-FC2012-120□	1.25±0.2	12.0	45	1.25	15	22	2
HS-FC2012-150□	1.25±0.2	15.0	30	0.80	5	19	1
HS-FC2012-180□	1.25±0.2	18.0	30	0.90	5	18	1
HS-FC2012-220□	1.25±0.2	22.0	30	1.10	5	16	1
HS-FC2012-270□	1.25±0.2	27.0	30	1.15	5	14	1
HS-FC2012-330□	1.25±0.2	33.0	30	1.25	5	13	0.4