











-  Suitable for VCR, portable communication equipments and other portable handheld devices
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**ELECTRICAL SPECIFICATION @ 25°C**






Part Number	Inductance <sup>2</sup> (uH)	Inductance Tolerance (%)		DCR ( ) Max.	Saturation <sup>3</sup> Current (Adc)	Rated <sup>4</sup> Current (Adc)	Marking (XXXX)
		K	M				
		UISPI1916M-391F	3.9				
UISPI1916M-471F	4.7	N/A	±20	8m	22	9.11	M471
UISPI1916M-561F	5.6	N/A	±20	11m	22	7.77	M561
UISPI1916M-681F	6.8	N/A	±20	11m	20	7.60	M681
UISPI1916M-821F	8.2	N/A	±20	13m	18	7.15	M821
UISPI1916K-102F	10	±10	N/A	16m	17	6.44	K102
UISPI1916K-122F	12	±10	N/A	18m	15	6.07	K122
UISPI1916K-152F	15	±10	N/A	20m	14	5.76	K152
UISPI1916K-182F	18	±10	N/A	22m	12	5.49	K182
UISPI1916K-222F	22	±10	N/A	24m	11	5.26	K222
UISPI1916K-272F	27	±10	N/A	25m	10	5.15	K272
UISPI1916K-332F	33	±10	N/A	28m	9.0	4.87	K332
UISPI1916K-392F	39	±10	N/A	31m	8.3	4.63	K392
UISPI1916K-472F	47	±10	N/A	34m	7.4	4.45	K472
UISPI1916K-562F	56	±10	N/A	43m	7.0	3.93	K562
UISPI1916K-682F	68	±10	N/A	59m	6.4	3.36	K682
UISPI1916K-822F	82	±10	N/A	66m	5.7	3.18	K822
UISPI1916K-103F	100	±10	N/A	84m	5.0	2.82	K103
UISPI1916K-123F	120	±10	N/A	113m	4.8	2.43	K123
UISPI1916K-153F	150	±10	N/A	129m	4.4	2.27	K153
UISPI1916K-183F	180	±10	N/A	150m	4.0	2.11	K183
UISPI1916K-223F	220	±10	N/A	162m	3.6	2.03	K223
UISPI1916K-273F	270	±10	N/A	226m	3.2	1.72	K273
UISPI1916K-333F	330	±10	N/A	257m	2.9	1.61	K333
UISPI1916K-393F	390	±10	N/A	288m	2.7	1.52	K393

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		K	M				
		UISPI1916K-473F	470				
UISPI1916K-563F	560	±10	N/A	504m	2.3	1.15	K563
UISPI1916K-683F	680	±10	N/A	570m	2.0	1.08	K683
UISPI1916K-823F	820	±10	N/A	643m	1.9	1.02	K823
UISPI1916K-104F	1000	±10	N/A	844m	1.7	0.890	K104
UISPI1916K-124F	1200	±10	N/A	977m	1.5	0.825	K124
UISPI1916K-154F	1500	±10	N/A	1.18	1.4	0.750	K154
UISPI1916K-184F	1800	±10	N/A	1.50	1.2	0.665	K184
UISPI1916K-224F	2200	±10	N/A	1.76	1.1	0.615	K224
UISPI1916K-274F	2700	±10	N/A	2.13	1.0	0.560	K274
UISPI1916K-334F	3300	±10	N/A	2.53	0.93	0.510	K334
UISPI1916K-394F	3900	±10	N/A	2.84	0.88	0.480	K394
UISPI1916K-474F	4700	±10	N/A	3.79	0.78	0.415	K474
UISPI1916K-564F	5600	±10	N/A	4.24	0.70	0.395	K564
UISPI1916K-684F	6800	±10	N/A	5.75	0.65	0.340	K684
UISPI1916K-824F	8200	±10	N/A	6.44	0.60	0.320	K824
UISPI1916K-105F	10000	±10	N/A	7.30	0.53	0.300	K105
UISPI1916K-125F	12000	±10	N/A	9.34	0.48	0.265	K125
UISPI1916K-155F	15000	±10	N/A	10.7	0.43	0.250	K155
UISPI1916K-185F	18000	±10	N/A	14.8	0.40	0.210	K185
UISPI1916K-225F	22000	±10	N/A	18.0	0.35	0.190	K225
UISPI1916K-275F	27000	±10	N/A	22.7	0.33	0.170	K275
UISPI1916K-335F	33000	±10	N/A	25.7	0.28	0.160	K335
UISPI1916K-395F	39000	±10	N/A	29.7	0.25	0.150	K395
UISPI1916K-475F	47000	±10	N/A	33.7	0.25	0.140	K475

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		K	M				
		UISPI1916K-565F	56000				
UISPI1916K-685F	68000	±10	N/A	52.8	0.21	0.110	K685
UISPI1916K-825F	82000	±10	N/A	67.3	0.19	0.100	K825
UISPI1916K-106F	100000	±10	N/A	76.0	0.17	0.090	K106

**Notes:**

1. Ordering Information: UISPI1916a - bbbFc.  
 UISPI1916 = Product Type.  
 a = Tolerance of Inductance ( K = ±10%, M = ±20%).  
 bbb = Inductance value in uH (i.e. 471 = 4.7uH; 472 = 47uH; 473 = 470uH; 474 = 4700uH; 475 = 47000uH; 106 = 100000uH).  
 F = Internal Control Code.  
 c = Packaging Code (T = Tape & Reel Packaging in 13 inch Reel).
2. Inductance tested at 1kHz.
3. Saturation current is the value of dc current that will reduce the initial inductance by 5% typical.
4. Rated current is the dc current that based on a 40°C temperature rise at an ambient temperature of 85°C.
5. Operating temperature range: -40°C to +125°C.
6. The part temperature (ambient temperature + temperature rise) should not exceed the upper limit of the operating temperature under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

