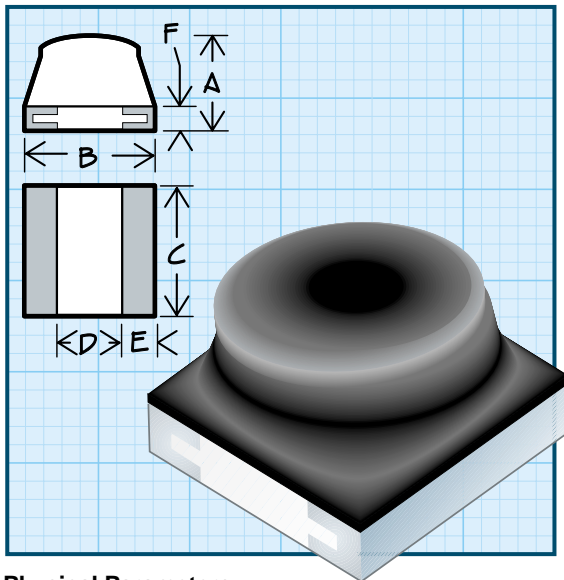


**Shielded Surface Mount Inductors**



**Physical Parameters**

	Inches	Millimeters
A	0.140 Max.	3.56 Max.
B	0.147 to 0.163	3.73 to 4.14
C	0.117 to 0.133	2.97 to 3.38
D	0.070 Min.	1.78 Min.
E	0.017 to 0.033	0.43 to 0.84
F	0.020 Max (Typ)	0.51 Max. (Typ)

**Current Rating at 90°C Ambient** 35°C Rise

**Operating Temperature** -55°C to +125°C

**Maximum Power Dissipation at 90°C** 0.155 W

**Termination** Standard-Tin/Lead Sn63. For RoHS, order 4379R - XXXKS. Contact factory for other finish options.

**Inductance Tolerance** Desired tolerance is specified by substituting alpha characters in the part number: H=3%, J=5%, K=10%, and M=20%. Standard series tolerance is ±10%.

**Mechanical Configuration** Units are epoxy encapsulated. Contact area for reflow are solder coated. Internal connections are thermal compression bonded.

**Notes** 1) Designed specifically for reflow soldering and other high temperature processes with metalized edges to exhibit solder fillet. 2) Self Resonant Frequency (SRF) values 260 MHz and above are calculated and for reference only. 3) Optional marking is available.

**Packaging** Tape & reel (12mm): 7" reel, 650 pieces max.; 13" reel, 2500 pieces max.

**MIL-PRF-83446/11** (Reference)

*Made in the U.S.A.*

DASH NUMBER\*  
 MIL DASH # (Reference)  
 INDUCTANCE (µH) ±10%  
 Q MINIMUM  
 TEST FREQUENCY (MHz)  
 SRF MINIMUM (MHz)  
 DC RESISTANCE MAXIMUM (OHMS)  
 CURRENT RATING MAX. (mA)

M83446/11- (Ref.)	SERIES	4379	FERRITE	CORE & SLEEVE			
-101KS	62	0.10	79	25.0	600	0.03	1000
-121KS	63	0.12	79	25.0	520	0.03	1000
-151KS	64	0.15	79	25.0	490	0.03	1000
-181KS	65	0.18	79	25.0	460	0.04	1000
-221KS	66	0.22	79	25.0	430	0.04	1000
-271KS	67	0.27	88	25.0	370	0.04	1000
-331KS	68	0.33	93	25.0	310	0.05	750
-391KS	69	0.39	102	25.0	280	0.05	750
-471KS	70	0.47	106	25.0	260	0.05	750
-561KS	71	0.56	106	25.0	240	0.06	700
-681KS	72	0.68	106	25.0	200	0.06	700
-821KS	73	0.82	106	25.0	185	0.06	700
-102KS	74	1.0	106	25.0	175	0.09	650
-122KS	75	1.2	90	7.9	150	0.09	650
-152KS	76	1.5	100	7.9	135	0.14	600
-182KS	77	1.8	100	7.9	120	0.20	500
-222KS	78	2.2	100	7.9	105	0.30	400
-272KS	79	2.7	100	7.9	85	0.40	350
-332KS	80	3.3	100	7.9	80	0.46	330
-392KS	81	3.9	105	7.9	64	0.52	310
-472KS	82	4.7	115	7.9	56	0.54	300
-562KS	83	5.6	115	7.9	49	0.60	285
-682KS	84	6.8	115	7.9	45	0.66	270
-822KS	85	8.2	115	7.9	41	1.00	225
-103KS	86	10	100	7.9	39	1.20	200
-123KS	87	12	100	2.5	34	1.5	180
-153KS	88	15	100	2.5	30	1.8	170
-183KS	89	18	100	2.5	26	1.9	160
-223KS	90	22	105	2.5	23	2.1	150
-273KS	91	27	110	2.5	20	2.4	140
-333KS	92	33	120	2.5	18	2.7	130
-393KS	93	39	120	2.5	17	3.1	125
-473KS	94	47	120	2.5	16	3.2	125
-563KS	95	56	110	2.5	14	3.5	120
-683KS	96	68	110	2.5	12	4.0	111
-823KS	97	82	110	2.5	10	4.8	102
-104KS	98	100	110	2.5	9.4	5.7	93
-124KS	99	120	85	0.79	8.0	6.2	89
-154KS	100	150	85	0.79	8.0	6.3	89
-184KS	101	180	85	0.79	6.9	6.4	88
-224KS	102	220	85	0.79	6.1	7.4	82
-274KS	103	270	85	0.79	5.2	8.1	78
-334KS	104	330	100	0.79	4.6	8.8	75
-394KS	105	390	100	0.79	4.0	9.7	72
-474KS	106	470	100	0.79	3.6	10.0	69
-564KS	107	560	100	0.79	2.8	11.0	66
-684KS	108	680	100	0.79	2.3	12.0	64
-824KS	109	820	95	0.79	2.1	17.0	53
-105KS	110	1000	95	0.79	2.0	22.0	47
-125KS	111	1200	75	0.25	1.7	24.0	45
-155KS	112	1500	75	0.25	1.6	25.0	44
-185KS	113	1800	75	0.25	1.5	27.0	43
-225KS	114	2200	75	0.25	1.4	30.0	40
-275KS	115	2700	75	0.25	1.3	34.0	38
-335KS	116	3300	75	0.25	1.2	39.0	35
-395KS	117	3900	75	0.25	1.1	56.0	29
-475KS	118	4700	75	0.25	1.0	70.0	26
-565KS	119	5600	75	0.25	0.9	80.0	25
-685KS	120	6800	75	0.25	0.8	90.0	23
-825KS	121	8200	75	0.25	0.7	100.0	22
-106KS	122	10000	75	0.25	0.7	110.0	21

**Optional Tolerances: J = 5% H = 3% G = 2% F = 1%**

**\*Complete part # must include series # PLUS the dash #**

**For further surface finish information, refer to TECHNICAL section of this catalog.**