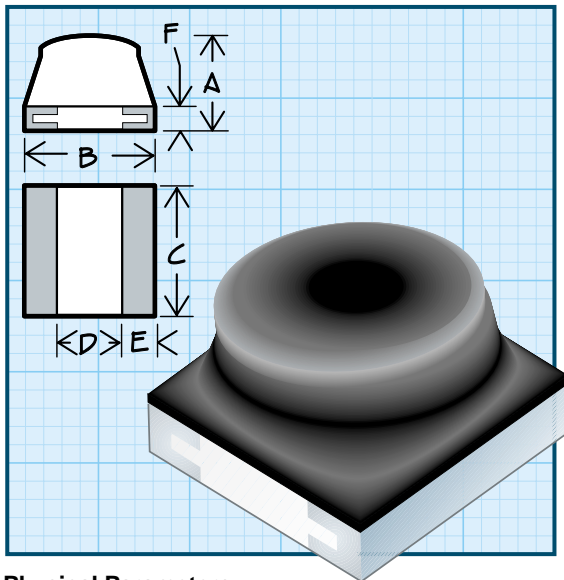


**Shielded Surface Mount Inductors**



**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.**