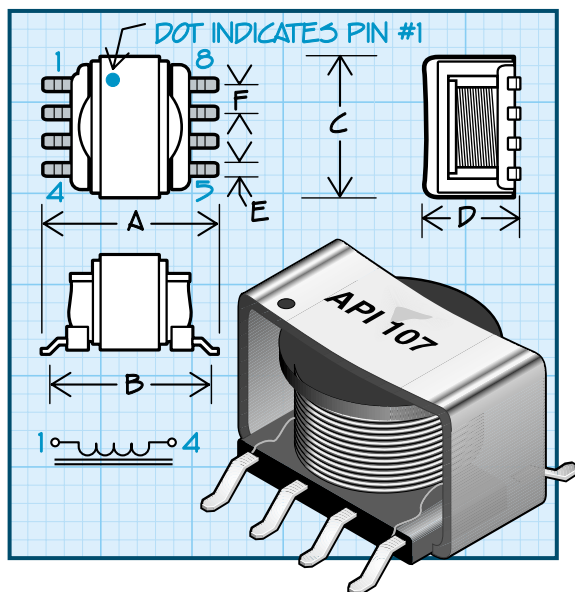


# Series 4494R 4494

RoHS  
CompliantTraditional  
First Quality

## Surface Mount Inductors



### Physical Parameters

|              | Inches         | Millimeters    |
|--------------|----------------|----------------|
| A            | 0.435 to 0.465 | 11.05 to 11.81 |
| B            | 0.385 to 0.405 | 9.78 to 10.29  |
| C            | 0.375 to 0.405 | 9.53 to 10.29  |
| D            | 0.205 to 0.235 | 5.21 to 5.97   |
| E (8 places) | 0.028 typ.     | 0.71 typ.      |
| F (6 places) | 0.079 typ.     | 2.00 typ.      |

### Termination

Pin 1 = Finish; Pin 4 = Start; others, no connection

**Operating Temperature Range** -20°C to +80°C

**Maximum Power Dissipation at 25°C** 0.140 W

### Incremental Current

Maximum DC Current which will cause less than a 25% decrease in inductance, from the zero DC current inductance.

### Current Rating

Current which will cause less than a +35°C temperature rise maximum, from +25°C Ambient

**Packaging** Tape & reel (24mm): 13" reel, 600 pieces max.; 7" reel not available

*Made In the U.S.A.*

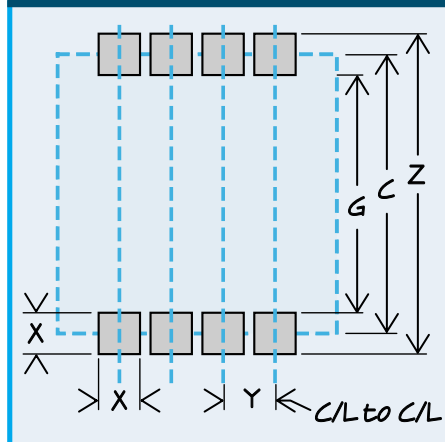
DASH NUMBER\*  
INDUCTANCE (mH)  $\pm 25\%$   
Q Typical  
TEST FREQUENCY (KHz)  
SRF Typical (MHz)  
DC RESISTANCE MAXIMUM (OHMS)  
CURRENT RATING MAXIMUM (AMPS)  
INCREMENTAL CURRENT (AMPS)

| SERIES 4494 |       |     |     |      |      |       |       |
|-------------|-------|-----|-----|------|------|-------|-------|
| -105        | 1.0   | 100 | 250 | 1.60 | 0.50 | 0.500 | 0.025 |
| -125        | 1.2   | 100 | 250 | 1.50 | 0.57 | 0.480 | 0.024 |
| -155        | 1.5   | 100 | 250 | 1.40 | 0.65 | 0.460 | 0.023 |
| -185        | 1.8   | 100 | 250 | 1.30 | 0.70 | 0.420 | 0.022 |
| -225        | 2.2   | 100 | 250 | 1.20 | 0.79 | 0.400 | 0.020 |
| -275        | 2.7   | 100 | 250 | 1.00 | 1.25 | 0.330 | 0.018 |
| -335        | 3.3   | 100 | 250 | 0.85 | 1.50 | 0.300 | 0.017 |
| -395        | 3.9   | 100 | 250 | 0.75 | 1.70 | 0.280 | 0.016 |
| -475        | 4.7   | 100 | 250 | 0.70 | 1.85 | 0.260 | 0.015 |
| -565        | 5.6   | 100 | 250 | 0.65 | 2.60 | 0.220 | 0.013 |
| -685        | 6.8   | 100 | 250 | 0.55 | 4.00 | 0.180 | 0.012 |
| -825        | 8.2   | 100 | 250 | 0.50 | 4.50 | 0.170 | 0.011 |
| -106        | 10.0  | 150 | 79  | 0.45 | 5.25 | 0.160 | 0.010 |
| -126        | 12.0  | 150 | 79  | 0.40 | 5.75 | 0.150 | 0.009 |
| -156        | 15.0  | 150 | 79  | 0.35 | 6.40 | 0.140 | 0.008 |
| -186        | 18.0  | 150 | 79  | 0.30 | 9.25 | 0.120 | 0.007 |
| -226        | 22.0  | 150 | 79  | 0.28 | 13.0 | 0.100 | 0.006 |
| -276        | 27.0  | 150 | 79  | 0.26 | 14.5 | 0.095 | 0.006 |
| -336        | 33.0  | 140 | 79  | 0.25 | 16.0 | 0.090 | 0.005 |
| -396        | 39.0  | 140 | 79  | 0.22 | 18.0 | 0.085 | 0.005 |
| -476        | 47.0  | 130 | 79  | 0.20 | 19.0 | 0.080 | 0.004 |
| -566        | 56.0  | 130 | 79  | 0.19 | 27.0 | 0.070 | 0.003 |
| -686        | 68.0  | 120 | 79  | 0.18 | 35.0 | 0.060 | 0.003 |
| -826        | 82.0  | 120 | 79  | 0.16 | 43.0 | 0.055 | 0.002 |
| -107        | 100.0 | 150 | 25  | 0.15 | 50.0 | 0.050 | 0.002 |

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

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

### PAD DIMENSIONS



### Pad Dimensions

|   | Inches | Millimeters |
|---|--------|-------------|
| C | 0.430  | 10.92       |
| G | 0.368  | 9.35        |
| X | 0.062  | 1.57        |
| Y | 0.079  | 2.01        |
| Z | 0.492  | 12.50       |