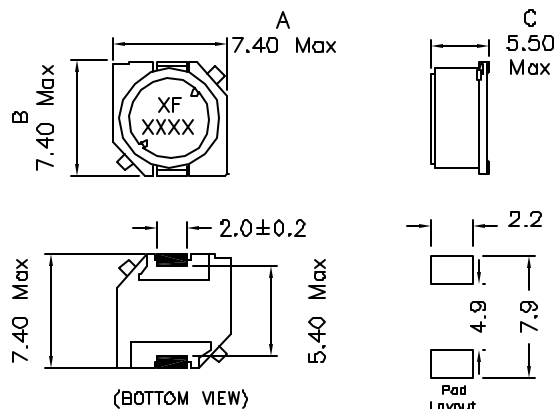


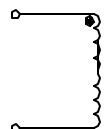
## XF7455 SERIES INDUCTORS

- \* LOW PROFILE SMD TYPE FOR HIGH CURRENT APPLICATION
- \* TAPE AND REEL PACKAGING FOR HIGH VOLUME MANUFACTURING  
850 PCS PER 13" REEL
- \* FOR PORTABLE TELEPHONES, PERSONAL COMPUTERS, HDD APPLICATIONS
- \* TEMP. RISE; 30°C TYPICAL ABOVE 60°C AMBIENT
- \* OPERATING TEMP.: -40°C TO +85°C
- \* FLAMABILITY RATING: UL94V-0

## Mechanical Dimensions:



## Schematic:



UNLESS OTHERWISE SPECIFIED

TOLERANCES:

.xx ±0.25

Dimensions in MM

| Part Number * | INDUCTANCE<br>μH | Test<br>Frequency<br>(Hz) | Resistance<br>DCR<br>Ohms Max | Rated Current<br>IDC Max (A) | Marking * |
|---------------|------------------|---------------------------|-------------------------------|------------------------------|-----------|
| XF7455-1R0X   | 1.0              | 1K                        | 0.023                         | 2.88                         | 1R0X      |
| XF7455-1R5X   | 1.5              | 1K                        | 0.027                         | 2.61                         | 1R5X      |
| XF7455-2R2X   | 2.2              | 1K                        | 0.030                         | 2.46                         | 2R2X      |
| XF7455-3R3X   | 3.3              | 1K                        | 0.035                         | 2.28                         | 3R3X      |
| XF7455-4R7X   | 4.7              | 1K                        | 0.041                         | 2.08                         | 4R7X      |
| XF7435-6R8X   | 6.8              | 1K                        | 0.047                         | 1.94                         | 6R8X      |
| XF7455-100X   | 10               | 1K                        | 0.050                         | 1.68                         | 100X      |
| XF7455-120X   | 12               | 1K                        | 0.070                         | 1.54                         | 120X      |
| XF7455-150X   | 15               | 1K                        | 0.080                         | 1.39                         | 150X      |
| XF7455-180X   | 18               | 1K                        | 0.090                         | 1.26                         | 180X      |
| XF7455-220X   | 22               | 1K                        | 0.110                         | 1.13                         | 220X      |
| XF7455-270X   | 27               | 1K                        | 0.150                         | 1.02                         | 270X      |
| XF7455-330X   | 33               | 1K                        | 0.170                         | 0.84                         | 330X      |
| XF7455-390X   | 39               | 1K                        | 0.180                         | 0.80                         | 390X      |
| XF7455-470X   | 47               | 1K                        | 0.200                         | 0.76                         | 470X      |
| XF7455-560X   | 56               | 1K                        | 0.280                         | 0.64                         | 560X      |
| XF7455-680X   | 68               | 1K                        | 0.320                         | 0.60                         | 680X      |
| XF7455-820X   | 82               | 1K                        | 0.350                         | 0.57                         | 820X      |
| XF7455-101X   | 100              | 1K                        | 0.400                         | 0.50                         | 101X      |
| XF7455-121X   | 120              | 1K                        | 0.440                         | 0.47                         | 121X      |
| XF7455-151X   | 150              | 1K                        | 0.730                         | 0.40                         | 151X      |
| XF7455-181X   | 180              | 1K                        | 0.780                         | 0.39                         | 181X      |
| XF7455-221X   | 220              | 1K                        | 0.940                         | 0.33                         | 221X      |
| XF7455-271X   | 270              | 1K                        | 1.250                         | 0.31                         | 271X      |
| XF7455-331X   | 330              | 1K                        | 1.400                         | 0.27                         | 331X      |
| XF7455-391X   | 390              | 1K                        | 1.520                         | 0.27                         | 391X      |
| XF7455-471X   | 470              | 1K                        | 1.700                         | 0.25                         | 471X      |
| XF7455-561X   | 560              | 1K                        | 2.390                         | 0.22                         | 561X      |

OCL TEST: 1.0KHz, 0.5V

\* "X" specify inductor tolerance: (K±10%, L±15%, M±20%, N±30%)