

- LOW COST
- SHORT LEAD TIMES
- EXCELLENT FOR AC RIPPLE AND SWITCH MODE POWER SUPPLIES
- STABLE INDUCTANCE FROM NO LOAD TO FULL RATED CURRENT
- UNIVERSAL APPLICATIONS
- HIGH DC CURRENT HANDLING CAPABILITIES
- CUSTOM VERSIONS AVAILABLE
- SURFACE MOUNT VERSIONS AVAILABLE
- OTHER CONFIGURATIONS AVAILABLE (POT CORE, ROD CORE, EE CORE, RM CORE, ETC.)

ELECTRICAL SPECIFICATIONS @25C

HORIZONTAL ENCAPSULATED CONFIGURATION

| PART NUMBER | INDUCTANCE @1 .0kHz, 1.0V ± 10% | CURRENT RATING* AMPS DC | DCR OHMS (MAX) | PACKAGE STYLE |
|-------------|------------------------------------|----------------------------|-------------------|------------------|
| XF0010-HP | 10uh | 4.0 | 0.150 | HP |
| XF0025-HP | 25uh | 3.5 | 0.150 | HP |
| XF0050-HP | 50uh | 3.0 | 0.200 | HP |
| XF0075-HP | 75uh | 2.5 | 0.250 | HP |
| XF0100-HP | 100uh | 2.0 | 0.280 | HP |
| XF0150-HP | 150uh | 2.0 | 0.360 | HP |
| XF0250-HP | 250uh | 2.0 | 0.360 | HP |
| XF0500-HP | 500uh | 1.0 | 1.100 | HP |
| XF1000-HP | 1000uh | 0.5 | 2.400 | HP |

* Current that causes a maximum 15% drop in inductance.

VERTICAL ENCAPSULATED CONFIGURATION

| PART NUMBER | INDUCTANCE @1kHz ± 10% | CURRENT RATING* (AMPS DC) | DCR OHMS (MAX) | L (NOM. INCHES) | W (NOM. INCHES) | H (NOM. INCHES) | T (NOM. INCHES) | E (NOM. INCHES) |
|-------------|------------------------------|------------------------------|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| XF0010-VP | 10uh | 3.0 | .010 | .750 | .400 | .750 | .250 | .036 |
| XF0025-VP | 25uh | 2.0 | .020 | .750 | .400 | .750 | .250 | .032 |
| XF0050-VP | 50uh | 1.5 | .030 | .750 | .400 | .750 | .250 | .028 |
| XF0075-VP | 75uh | 1.0 | .045 | .750 | .400 | .750 | .250 | .025 |
| XF0100-VP | 100uh | 1.0 | .055 | .750 | .400 | .750 | .250 | .025 |
| 1XF0010-VP | 10uh | 5.0 | .015 | .800 | .500 | .950 | .350 | .046 |
| 1XF0025-VP | 25uh | 4.0 | .025 | .800 | .500 | .950 | .350 | .040 |
| 1XF0050-VP | 50uh | 3.0 | .035 | .800 | .500 | .950 | .350 | .036 |
| 1XF0075-VP | 75uh | 2.5 | .050 | .800 | .500 | .950 | .350 | .032 |
| 1XF0100-VP | 100uh | 2.0 | .070 | .800 | .500 | .975 | .350 | .028 |
| 1XF0250-VP | 250uh | 1.5 | .155 | .800 | .500 | .975 | .350 | .023 |
| 2XF0025-VP | 25uh | 6.0 | .020 | 1.160 | .660 | 1.1752 | .400 | .051 |
| 2XF0050-VP | 50uh | 4.5 | .030 | 1.160 | .660 | 1.1752 | .400 | .056 |
| 2XF0075-VP | 75uh | 4.0 | .035 | 1.160 | .660 | 1.1752 | .400 | .040 |
| 2XF0100-VP | 100uh | 3.0 | .050 | 1.160 | .660 | 1.1752 | .400 | .036 |
| 2XF0250-VP | 250uh | 2.0 | .090 | 1.160 | .660 | 1.25 | .400 | .032 |
| 2XF0500-VP | 500uh | 1.5 | .180 | 1.160 | .660 | 1.25 | .400 | .028 |
| 2XF0750-VP | 750uh | 1.0 | .250 | 1.160 | .660 | 1.25 | .400 | .025 |

| PART NUMBER | INDUCTANCE @ 1kHz ± 10% | CURRENT RATING* (AMPS DC) | DCR OHMS (MAX) | L (NOM. INCHES) | W (NOM. INCHES) | H (NOM. INCHES) | T (NOM. INCHES) | E (NOM. INCHES) |
|-------------|-------------------------|---------------------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 3XF0025-VP | 25uh | 10.0 | .015 | 1.40 | .800 | 1.40 | .600 | .064 |
| 3XF0050-VP | 50uh | 7.0 | .020 | 1.40 | .800 | 1.40 | .600 | .057 |
| 3XF0075-VP | 75uh | 6.0 | .025 | 1.40 | .800 | 1.40 | .600 | .051 |
| 3XF0100-VP | 100uh | 5.0 | .030 | 1.40 | .800 | 1.40 | .600 | .051 |
| 3XF0250-VP | 250uh | 3.0 | .070 | 1.40 | .800 | 1.40 | .600 | .040 |
| 3XF0500-VP | 500uh | 2.0 | .130 | 1.40 | .800 | 1.475 | .600 | .032 |
| 3XF0750-VP | 750uh | 2.0 | .170 | 1.40 | .800 | 1.475 | .600 | .032 |
| 3XF1000-VP | 1000uh | 1.5 | .220 | 1.40 | .800 | 1.475 | .600 | .028 |

Vertical open/horizontal open configuration (add suffix (VO or HO) to part number. (XX=VO or HO))

| PART NUMBER | INDUCTANCE @ 1kHz ± 10% | CURRENT RATING* (AMPS DC) | DCR OHMS (MAX) | A (NOM. INCHES) | B (NOM. INCHES) | C (NOM. INCHES) | D (NOM. INCHES) | E ± .005 | SRF(H) Mhz (MIN.) |
|-------------|-------------------------|---------------------------|----------------|-----------------|-----------------|-----------------|-----------------|----------|-------------------|
| XF0010-XX | 10uh | 3.0 | .010 | 0.62 | .25 | .50 | 0.56 | .036 | 35.0 |
| XF0025-XX | 25uh | 2.0 | .020 | 0.62 | .25 | .50 | 0.56 | .032 | 10.0 |
| XF0050-XX | 50uh | 1.5 | .030 | 0.62 | .25 | .50 | 0.56 | .028 | 7.0 |
| XF0075-XX | 75uh | 1.0 | .045 | 0.62 | .25 | .50 | 0.56 | .025 | 5.0 |
| XF0100-XX | 100uh | 1.0 | .055 | 0.62 | .25 | .50 | 0.56 | .025 | 4.0 |
| 1XF0010-XX | 10uh | 6.0 | .015 | 0.82 | .32 | .50 | 0.72 | .046 | 20.0 |
| 1XF0025-XX | 25uh | 4.0 | .025 | 0.82 | .32 | .50 | 0.75 | .040 | 8.0 |
| 1XF0050-XX | 50uh | 3.0 | .035 | 0.82 | .32 | .50 | 0.75 | .036 | 4.0 |
| 1XF0075-XX | 75uh | 2.5 | .050 | 0.82 | .32 | .50 | 0.75 | .032 | 3.0 |
| 1XF0100-XX | 100uh | 2.0 | .070 | 0.82 | .32 | .50 | 0.72 | .028 | 2.0 |
| 1XF0250-XX | 250uh | 1.5 | .155 | 0.85 | .35 | .50 | 0.75 | .023 | 1.0 |
| 2XF0025-XX | 25uh | 6.0 | .020 | 1.10 | .37 | .50 | 1.02 | .051 | 8.0 |
| 2XF0050-XX | 50uh | 4.5 | .030 | 1.10 | .40 | .50 | 1.02 | .046 | 4.0 |
| 2XF0075-XX | 75uh | 4.0 | .035 | 1.10 | .40 | .50 | 1.02 | .040 | 3.0 |
| 2XF0100-XX | 100uh | 3.0 | .050 | 1.10 | .40 | .50 | 1.02 | .036 | 2.0 |
| 2XF0250-XX | 250uh | 2.0 | .090 | 1.15 | .40 | .50 | 1.02 | .032 | 1.0 |
| 2XF0500-XX | 500uh | 1.5 | .180 | 1.15 | .40 | .50 | 1.05 | .028 | .8 |
| 2XF0750-XX | 750uh | 1.0 | .250 | 1.15 | .40 | .50 | 1.05 | .025 | .6 |
| 3XF0025-XX | 25uh | 10.0 | .015 | 1.30 | .56 | .75 | 1.20 | .064 | 8.0 |
| 3XF0050-XX | 50uh | 7.0 | .020 | 1.30 | .55 | .75 | 1.15 | .057 | 4.0 |
| 3XF0075-XX | 75uh | 6.0 | .025 | 1.30 | .55 | .75 | 1.20 | .051 | 3.0 |
| 3XF0100-XX | 100uh | 5.0 | .030 | 1.30 | .56 | .75 | 1.20 | .051 | 2.0 |
| 3XF0250-XX | 250uh | 3.0 | .070 | 1.30 | .56 | .75 | 1.20 | .040 | 1.0 |
| 3XF0500-XX | 500uh | 2.0 | .130 | 1.30 | .56 | .75 | 1.20 | .032 | .8 |
| 3XF0750-XX | 750uh | 2.0 | .170 | 1.30 | .60 | .75 | 1.25 | .032 | .6 |
| 3XF1000-XX | 1000uh | 1.5 | .220 | 1.30 | .60 | .75 | 1.20 | .028 | .4 |

