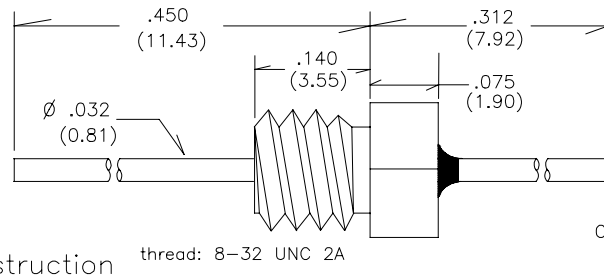
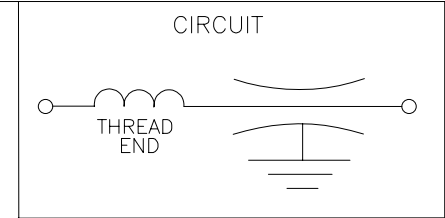
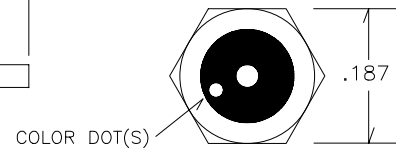


NOTE:
ATTENUATION EFFECTIVENESS
OF INDUCTOR IS LOST IF
CURRENT THROUGH FILTER
IS GREATER THAN 250 mA



= inches
(###) = mm



- * RoHS Compliant
- * Discoidal Capacitor Construction

thread: 8-32 UNC 2A

| PART NUMBER | EMI P/N: | CAP. (pF) | COLOR DOT(S) | MAX. WVDC | DC AMPS | MINIMUM NO LOAD INSERTION LOSS | | | | |
|-------------|----------|-----------|--------------|-----------|---------|--------------------------------|--------|---------|-------|--------|
| | | | | | | 1 MHz | 10 MHz | 100 MHz | 1 GHz | 10 GHz |
| | B7L000D | 0 | | 200 | 10 | | | | | |
| | B7L050D | 5 MAX. | NONE | 200 | 10 | | | | | |
| | B7L100D | 10 | VIOLT | 200 | 10 | | | | 7 | 20 |
| | B7L250D | 25 | BLUE | 200 | 10 | | | | 13 | 25 |
| | B7L101D | 100 | GREEN | 200 | 10 | | | 5 | 22 | 35 |
| | B7L501D | 500 | BROWN | 200 | 10 | | | 18 | 37 | 38 |
| | B7L102D | 1,000 | WHITE | 200 | 10 | | 8 | 25 | 40 | 42 |
| | B7L122D | 1,200 | WHITE | 200 | 10 | | 8 | 28 | 42 | 50 |
| | B7L152D | 1,500 | WHITE | 200 | 10 | | 10 | 28 | 43 | 53 |
| | B7L272D | 2,700 | RED | 200 | 10 | 8 | 13 | 32 | 45 | 55 |
| | B7L502D | 5,000 | YELLOW | 200 | 10 | 8 | 17 | 35 | 47 | 55 |
| | B7L103D | 10,000 | 2 WHITE | 200 | 10 | 8 | 27 | 48 | 65 | 65 |
| | B7L153B | 15,000 | 2 WHITE | 100 | 10 | 10 | 28 | 50 | 65 | 65 |
| | B7L273B | 27,000 | 2 RED | 100 | 10 | 13 | 33 | 53 | 75 | 75 |
| | B7L333B | 33,000 | 2 RED | 100 | 10 | 13 | 35 | 55 | 75 | 75 |
| | B7L503B | 50,000 | 2 YELLOW | 100 | 10 | 18 | 37 | 57 | 80 | 80 |
| | B7L104A | 100,000 | 3 WHITE | 50 | 10 | 28 | 48 | 60 | 85 | 80 |

CAPACITANCE TOLERANCE: +100/-0% or AS NOTED

DISSIPATION FACTOR: 3.5% MAX.

INSULATION RESISTANCE:

25°C = 10,000 Mohm Min.
125°C = 1,000 Mohm Min.

DIELECTRIC STRENGTH (DWV):

250% of WVDC (5 seconds)

OPERATING TEMPERATURE: -55°C to +125°C

TEMPERATURE CHARACTERISTIC: X7R or better

MARKING: Color Dot standard per chart

MAXIMUM MOUNTING TORQUE: 6.0 in*lbs

INSTALLATION TEMPERATURE: N/A

DIMENSION TOLERANCE:

CASE: CASE: ± .010" (.250 mm)
LEAD LENGTH: CASE: ± .030" (.762mm)
LEAD DIAMETER: CASE: ± .002" (.051mm)

MATERIAL AND FINISH:

CASE: C12L14 CRS
LEAD: Copper (1/2 Hard)
FINISH: Silver per QQ-S-365

VENDOR:
EMI Filter Company
12750 59th Way N.
Clearwater, FL 33760
(727) 585-7990
(727) 586-5138 Fax
www.emifiltercompany.com

FILTERS, EMI, "L" CIRCUIT,
SMALL (SHALLOW HEAD) 8-32 THREADED BODY

FSCM NO.

DWG NO.

REV

B7Ls REVD

D

SCALE