

Miniature Threaded C Circuit Filters

[Key Characteristics

Applications

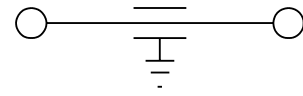
- High Density Panels
- Bulkhead Filter Arrays

Performance

- ≤100nF
- ≤100Vdc
- High frequency
- Temperature -40°C to +100°C

Rugged

- Discoidal construction
- High Performance



[Ordering Information

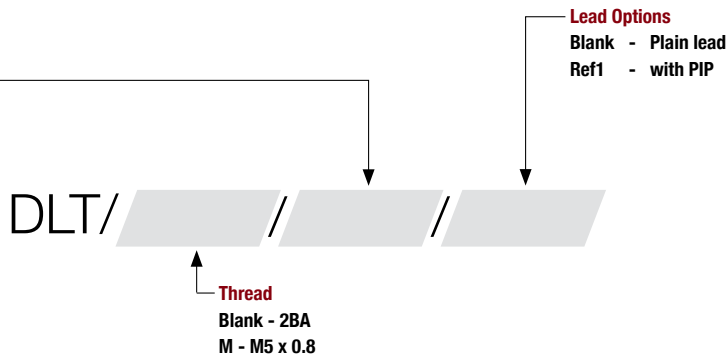
| Circuit | Cap | Current | Voltage dc | IL (dB) 0.1Mhz | 1MHz | 10MHz | 100MHz | 1GHz | Colour Code (hex end/ thread end) |
|---------|----------|---------|------------|-------------------|------|-------|--------|------|--------------------------------------|
| C | 22pF | 10A | 100v * | - | - | - | 3 | 15 | Black/White |
| C | 47pF | 10A | 100v * | - | - | - | 5 | 20 | Yellow/White |
| C | 100pF | 10A | 100v * | - | - | - | 8 | 28 | White/White |
| C | 330pF | 10A | 100v * | - | - | 2 | 18 | 34 | Green/White |
| C | 470pF | 10A | 100v * | - | - | 3 | 20 | 40 | Orange/White |
| C | 680pF | 10A | 100v * | - | - | 4 | 22 | 40 | Grey/White |
| C | 1000pF | 10A | 100v * | - | - | 9 | 27 | 40 | Brown/White |
| C | 4700pF | 10A | 100v * | - | 3 | 20 | 38 | 53 | Red/White |
| C | 10000pF | 10A | 100v * | 1 | 8 | 27 | 44 | 63 | Blue/White |
| C | 47000pF | 10A | 100v * | 4 | 20 | 41 | 45 | 74 | Lt Blue/White |
| C | 100000pF | 10A | 50v * | 2 | 25 | 45 | 57 | 75 | Lt Brown/White |

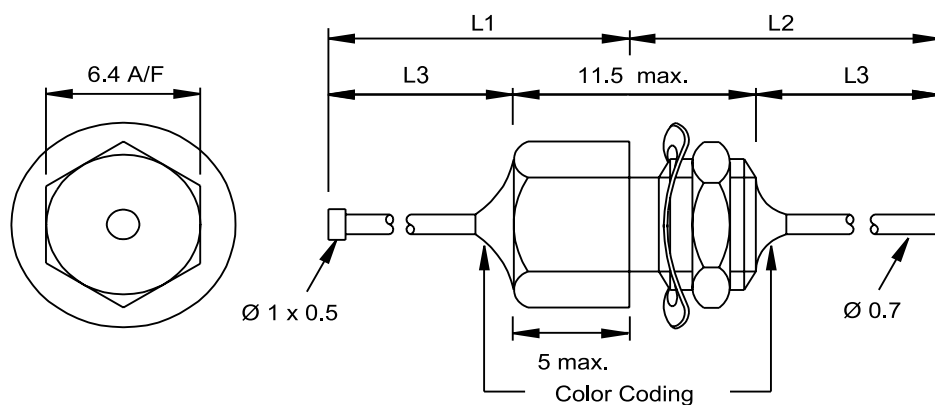
* Voltage derates linearly to 50% of quoted voltage dc from 85°C to 100°C

[Ordering Information

Capacitance

| | | |
|--------|---|----------|
| 22 | - | 22pF |
| 47 | - | 47pF |
| 100 | - | 100pF |
| 330 | - | 330pF |
| 470 | - | 470pF |
| 680 | - | 680pF |
| 1000 | - | 1000pF |
| 4700 | - | 4700pF |
| 10000 | - | 10000pF |
| 47000 | - | 47000pF |
| 100000 | - | 100000pF |





Lead length L = 6.4 [DLT/-/Ref 1 & DLTM/-/Ref 1]
27 [DLT/- & DLTM/-]

ALL DIMENSIONS IN MM

| | L1 | L2 | L3 |
|----------------------------|------|------|-----|
| | max | max | min |
| DLT & DLTM | 34 | 40 | 27 |
| DLT/-/Ref 1 & DLTM/-/Ref 1 | 13.4 | 14.8 | 6.4 |

Mounting Details

| | DLT/-, DLT/-/Ref 1 | DLTM/, DLTM/-/Ref 1 |
|-----------------------------|--------------------|---------------------|
| THREAD | 2BA | M5 x 0.8 |
| MOUNTING HOLE | 5.1mm | |
| MOUNTING TORQUE | 0.35Nm | |
| CHASSIS THICKNESS | 1.2 - 1.6mm | |
| MINIMUM PITCH (with nut) | 8mm | |
| MINIMUM PITCH (without nut) | 8mm | |

Technical Information

| | |
|--------------------------|---|
| CASE & NUT | Brass, Tin finish |
| FEEDTHROUGH TERMINATIONS | Copper Alloy, Tin Lead or Silver finish |

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*ROHS versions available upon request - please speak to the sales department