

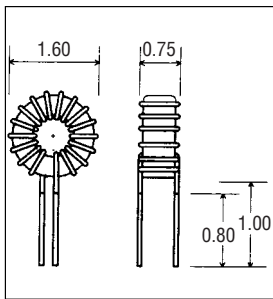
CTP4556 is a medium current inductor with the following data and features:

- **Core type:** 1.30" o.d., Moly-Permalloy Powder, perm 60.
  - **Power rating:** 3.13 watts for temp. rise 50°C.
  - **Typical applications:** Switching Inductors in Switch Mode Power Supplies.
- Three mounting styles are offered:**
- 1 Flying leads (1.00"), for vertical or horizontal mounting.
  - 2 4-pin header, for vertical mounting.
  - 3 Threaded center hole, flying leads (2.00").

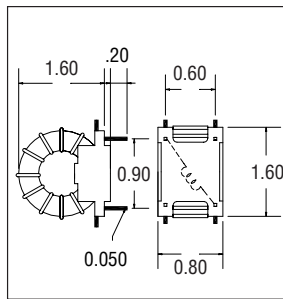


### MECHANICAL

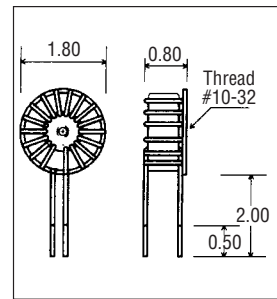
Style 1



Style 2



Style 3



### ELECTRICAL SPECIFICATION

**Ordering Information:** Substitute the style number for the asterisk (\*). Example: CTP4556, Style 1, 56uH. Order: CTP4556 - 116

| Part No.<br>CTP4556 - | Ind.<br>(uH) | DCR<br>Ohms | Rated<br>Current<br>Amp. RMS | I (amp.)<br>@ Lsat.<br>10% | I (amp.)<br>@ Lsat.<br>25% | I (amp.)<br>@ Lsat.<br>50% | Part No.<br>CTP4556 - | Ind.<br>(uH) | DCR<br>Ohms | Rated<br>Current<br>Amp. RMS | I (amp.)<br>@ Lsat.<br>10% | I (amp.)<br>@ Lsat.<br>25% | I (amp.)<br>@ Lsat.<br>50% |
|-----------------------|--------------|-------------|------------------------------|----------------------------|----------------------------|----------------------------|-----------------------|--------------|-------------|------------------------------|----------------------------|----------------------------|----------------------------|
| * 01                  | 3.3          | 0.002       | 37.7                         | 31.7                       | 52.9                       | 88.2                       | * 17                  | 68           | 0.015       | 14.3                         | 7.0                        | 11.7                       | 19.4                       |
| * 02                  | 3.9          | 0.002       | 36.2                         | 29.2                       | 48.7                       | 81.1                       | * 18                  | 82           | 0.017       | 13.6                         | 6.4                        | 10.6                       | 17.7                       |
| * 03                  | 4.7          | 0.003       | 34.7                         | 26.6                       | 44.3                       | 73.9                       | * 19                  | 100          | 0.023       | 11.6                         | 5.8                        | 9.6                        | 16.0                       |
| * 04                  | 5.6          | 0.003       | 33.2                         | 24.4                       | 40.6                       | 67.7                       | * 20                  | 120          | 0.032       | 9.9                          | 5.3                        | 8.8                        | 14.6                       |
| * 05                  | 6.8          | 0.003       | 31.7                         | 22.1                       | 36.9                       | 61.4                       | * 21                  | 150          | 0.036       | 9.3                          | 4.7                        | 7.8                        | 13.1                       |
| * 06                  | 8.2          | 0.003       | 30.3                         | 20.1                       | 33.6                       | 55.9                       | * 22                  | 180          | 0.039       | 8.9                          | 4.3                        | 7.2                        | 11.9                       |
| * 07                  | 10           | 0.004       | 28.9                         | 18.2                       | 30.4                       | 50.7                       | * 23                  | 220          | 0.044       | 8.5                          | 3.9                        | 6.5                        | 10.8                       |
| * 08                  | 12           | 0.004       | 27.6                         | 16.6                       | 27.7                       | 46.2                       | * 24                  | 270          | 0.048       | 8.1                          | 3.5                        | 5.8                        | 9.7                        |
| * 09                  | 15           | 0.005       | 26.2                         | 14.9                       | 24.8                       | 41.4                       | * 25                  | 330          | 0.053       | 7.7                          | 3.2                        | 5.3                        | 8.8                        |
| * 10                  | 18           | 0.005       | 25.0                         | 13.6                       | 22.7                       | 37.8                       | * 26                  | 390          | 0.058       | 7.4                          | 2.9                        | 4.9                        | 8.1                        |
| * 11                  | 22           | 0.006       | 23.8                         | 12.3                       | 20.5                       | 34.2                       | * 27                  | 470          | 0.080       | 6.3                          | 2.7                        | 4.4                        | 7.4                        |
| * 12                  | 27           | 0.006       | 22.7                         | 11.1                       | 18.5                       | 30.8                       | * 28                  | 560          | 0.110       | 5.3                          | 2.4                        | 4.1                        | 6.8                        |
| * 13                  | 33           | 0.008       | 19.2                         | 10.0                       | 16.7                       | 27.9                       | * 29                  | 680          | 0.121       | 5.1                          | 2.2                        | 3.7                        | 6.1                        |
| * 14                  | 39           | 0.012       | 16.4                         | 9.2                        | 15.4                       | 25.6                       | * 30                  | 820          | 0.133       | 4.9                          | 2.0                        | 3.4                        | 5.6                        |
| * 15                  | 47           | 0.013       | 15.7                         | 8.4                        | 14.0                       | 23.4                       | * 31                  | 1000         | 0.147       | 4.6                          | 1.8                        | 3.0                        | 5.1                        |
| * 16                  | 56           | 0.014       | 15.0                         | 7.7                        | 12.8                       | 21.4                       | * 32                  | 1200         | 0.161       | 4.4                          | 1.7                        | 2.8                        | 4.6                        |

CTP4556