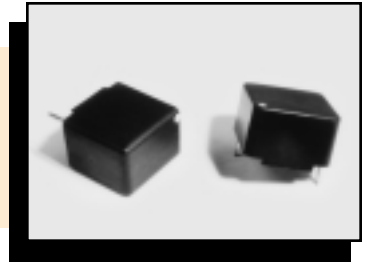


CASED LOW PROFILE / VERTICAL TOROIDAL COILS AICT-LP, VM SERIES



FEATURES:

- High Saturation Material
- Support Rapid Load Change
- Low Power
- Long Term Stability
- High Reliability
- Low DC Resistance

OPTIONS:

- Bulk Packaging is Standard
- Mounting: LP Low Profile and (VM) Vertical Mount is Standard

COMMON APPLICATIONS:

- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- EMI/RFI Suppression
- Filters

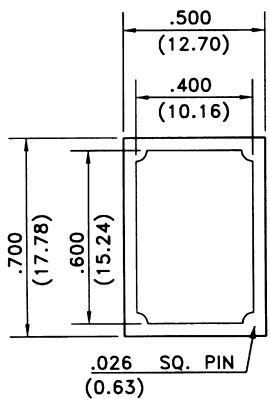
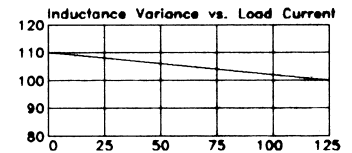
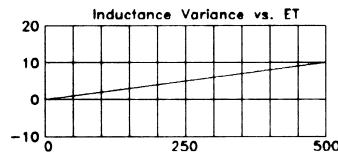
STANDARD SPECIFICATIONS

| Part Number | L μ H Typical | IDC Max Amps | Max ETop V- μ Sec | L no DC μ H Max | 1000 Hz Test Volts No DC | RDC V Max | Min. Energy Storage μ J |
|-----------------------|-------------------|--------------|-----------------------|---------------------|--------------------------|-----------|-----------------------------|
| AICT-LP Series | | | | | | | |
| AICT-LP-151() | 150 | 1.7 | 80 | 175 | .050 | .42 | 215 |
| AICT-LP-221() | 220 | 1.5 | 90 | 225 | .070 | .42 | 240 |
| AICT-LP-331() | 330 | 1.0 | 100 | 380 | .080 | .78 | 165 |
| AICT-LP-470() | 470 | .90 | 120 | 540 | .100 | 1.10 | 190 |
| AICT-LP-680() | 680 | .85 | 175 | 790 | .120 | 1.25 | 245 |
| AICT-LP-820() | 820 | .75 | 175 | 950 | .130 | 2.30 | 230 |
| AICT-LP-102() | 1000 | .50 | 175 | 1150 | .140 | 2.40 | 125 |

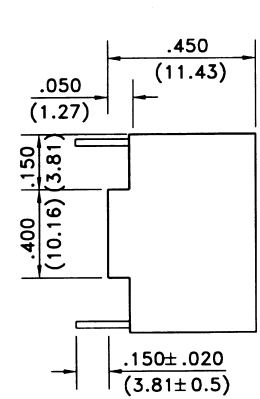
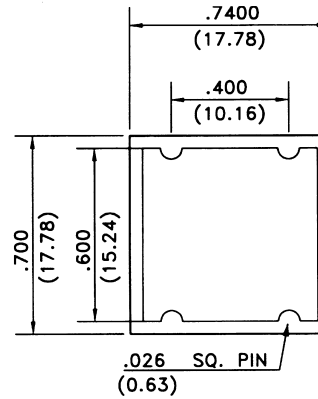
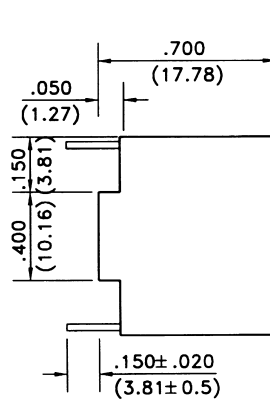
TECHNICAL INFORMATION:

- Testing: At 10KHz 0,1 VAC
Inductance: Typical @ IDC values
- IDC Max: Rated for 40°C temperature rise
Derate current at 20°C at ETop
- Electrical characteristics measured @ 20°C
- Temperature range: -30°C to + 130°C
- Mounting: Change LP to VM for vertical mount

PHYSICAL CHARACTERISTICS



VERTICAL PACKAGE
VM



LOW PROFILE PACKAGE
LP

Dimensions: Inches (mm)
 $\pm .010 (\pm .25)$ Except as noted

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED

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