



AICT LP/VM, VM SERIES

Encapsulated Low Profile V/H Toroidal Coils

FEATURES

- High saturation material
- Support rapid load change
- Low power losses
- Long term stability
- High reliability
- Low DC resistance

OPTIONS

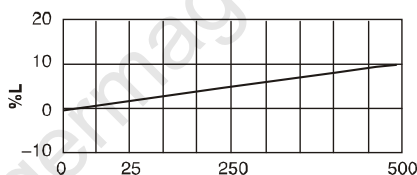
- Packaging: Bulk is standard
- Mounting: (LPNM) Low Profile
- (VM) Vertical Mount is standard

APPLICATIONS

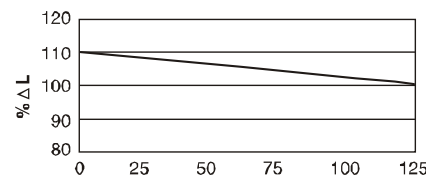
- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- EMI/RFI suppression
- DC line Filters

Part Number	L(μH) Typ.	IDC A max.	Max. E-Top V - μ Sec.	L no DC (μH) max.	1000Hz Test V on DC	DCR ohm Max.	Energy Storage μj min.
AICT-LP/VM-151M	150	1.7	80	175	0.05	0.42	215
AICT-LP/VM-221M	220	1.5	90	225	0.07	0.42	240
AICT-LP/VM-331M	330	1	100	380	0.08	0.78	165
AICT-LP/VM-471M	470	0.9	120	540	0.1	1.1	190
AICT-LP/VM-681M	680	0.85	175	790	0.12	1.25	245
AICT-LP/VM-821M	820	0.75	175	950	0.13	2.3	230
AICT-LP/VM-102M	1000	0.5	175	1150	0.14	2.4	125

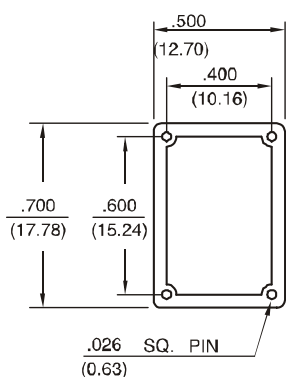
- Testing: 10kHz 0.1 Vac HP4284A
- Inductance: Typical @ IDC values
- IDC Max: Rated for 40°C temperature rise
- Derate current at 20°C at ETop
- Electrical characteristics measured @ 20°C
- Temperature range: -30°C to +130°C
- Mounting: Add (LP/VM), (VM) as Suffix to Part Number
- Note: All specifications subject to change without notice.



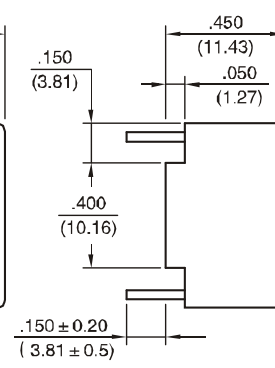
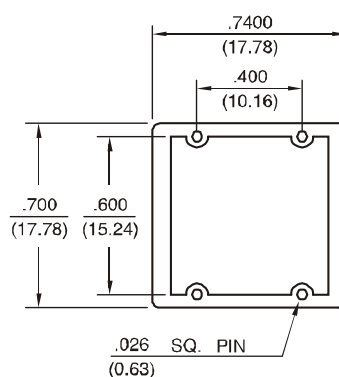
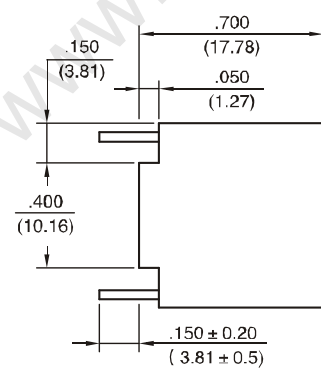
Inductance variance Vs. ET



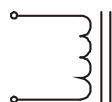
Inductance variance Vs. Load Current



VERTICAL PACKAGE



LOW PROFILE PACKAGE



Dimensions:
Inches(mm)
± .010(± .25) Except as noted