




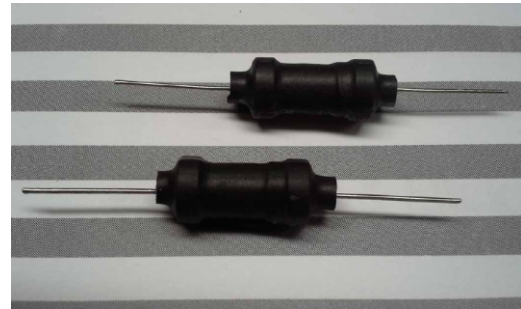


-  Suitable for DC/DC conversions in notebook computers, or as a choke coil for noise filtering.
-  High performance and small size for printed circuit mounting
-  Compact design with high energy storage and low resistance
-  Inductance range from 3.9 to 1000 micro H
-  RoHS compliant



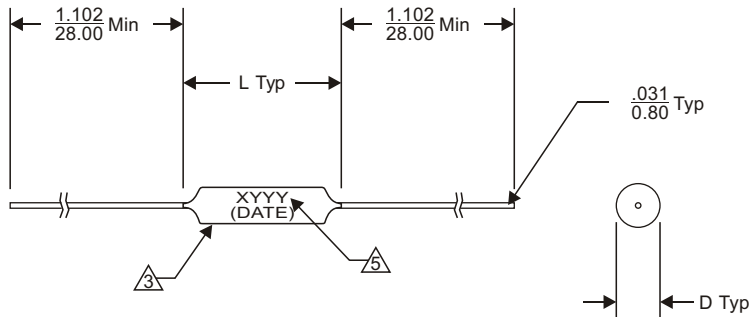
ELECTRICAL SPECIFICATION @ 25°C

Part Number	Inductance (uH)	Inductance Tolerance (%)	Test ² Frequency	DCR (m)	Idc ³ (A)	Self-resonant Frequency (MHz) Typ	Marking (XYYY)
		M	(kHz)	Typ	Max		
UIT1126M-3R9F	3.9	±20	100	10	12	95	M3R9
UIT1126M-5R6F	5.6	±20	100	17	8	83	M5R6
UIT1126M-100F	10	±20	100	35	5	65	M100
UIT1126M-150F	15	±20	10	50	4	55	M150
UIT1126M-330F	33	±20	10	70	3.5	7	M330
UIT1126M-680F	68	±20	10	100	3	5	M680
UIT1126M-101F	100	±20	10	150	2.5	3.5	M101
UIT1126M-151F	150	±20	10	300	1.8	2.5	M151
UIT1126M-331F	330	±20	10	500	1.4	2	M331
UIT1126M-681F	680	±20	10	1000	1	1.1	M681
UIT1126M-102F	1000	±20	10	1500	0.8	0.85	M102
UIT1126M-152F	1500	±20	10	2000	0.7	0.79	M152
UIT1126M-332F	3300	±20	10	4000	0.5	0.46	M332
UIT1126M-682F	6800	±20	10	8000	0.35	0.36	M682
UIT1126M-103F	10000	±20	10	12000	0.3	0.25	M103

Notes:

1. Ordering Information: UIT1126a - bbbFc.
 UIT1126 = Product Type.
 a = Tolerance of Inductance (M = ±20%).
 bbb = Inductance value in uH (i.e. 3R9 = 3.9uH; 150 = 15uH; 151 = 150uH; 152 = 1500uH; 103 = 10000uH).
 F = Internal Control Code.
 c = Packaging Code (No code = Non Tape & Reel Packaging, i.e. Tray packaging).
2. Test frequency is specified for testing the inductance.
3. Inductance drops by 10% maximum from its initial value.
4. Operating temperature range: -40°C to +125°C.
5. The part temperature (ambient temperature + temperature rise) should not exceed the upper limit of the operating temperature under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

MECHANICAL DIMENSIONS

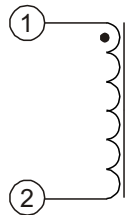


E&E Part Number UIT1126X-YYY	Dimensions	
	D	L
UIT1126M-3R9	.354 9.00	1.024 26.00
UIT1126M-5R6	.315 8.00	1.024 26.00
UIT1126M-100	.295 7.50	1.024 26.00
UIT1126M-150	.287 7.30	1.024 26.00
UIT1126M-330	.433 11.00	1.024 26.00
UIT1126M-680	.433 11.00	1.024 26.00
UIT1126M-101	.394 10.00	1.024 26.00
UIT1126M-151	.386 9.80	1.024 26.00
UIT1126M-331	.433 11.00	1.024 26.00
UIT1126M-681	.394 10.00	1.024 26.00
UIT1126M-102	.386 9.80	1.024 26.00
UIT1126M-152	.406 10.30	1.024 26.00
UIT1126M-332	.417 10.60	1.024 26.00
UIT1126M-682	.425 10.80	1.024 26.00
UIT1126M-103	.386 9.80	1.024 26.00

Notes:

- 6. All dimensions are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in mm.
- 7. Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$.

SCHEMATIC



FOR MORE INFORMATION, PLEASE CONTACT

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