





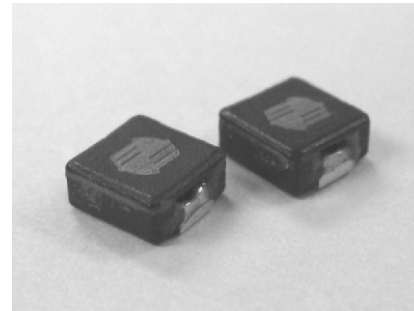


-  Low profile SMD type.
-  High energy storage and low DCR.
-  Magnetically shielded, suitable for high density mounting.
-  Ideal for power source circuits, DC-DC convert, DC-AC Inverters inductor and input-Output filter application.
-  Operating temperature -40 C to +125 C
-  RoHS compliant



**ELECTRICAL SPECIFICATION @ 25°C**

Part Number	Inductance <sup>2</sup> (uH)	Inductance Tolerances(%)	DCR (m Ω) Max	Isat <sup>3</sup> (A)	I <sub>rms</sub> <sup>4</sup> (A)	Marking (XXXY)
		M				
RIS7532A-101MF	0.10	±20	1.5	60	34.5	101M
RIS7532A-151MF	0.15	±20	2.2	57	26.0	151M
RIS7532A-201MF	0.20	±20	2.2	46	26.0	201M
RIS7532A-221MF	0.22	±20	2.2	40	26.0	221M
RIS7532A-331MF	0.33	±20	3.4	34	20.0	331M
RIS7532A-471MF	0.47	±20	3.4	26	20.0	471M
RIS7532A-681MF	0.68	±20	5.4	25	15.5	681M
RIS7532A-821MF	0.82	±20	8.0	24	13.0	821M
RIS7532A-102MF	1.00	±20	8.0	22	13.0	102M
RIS7532A-152MF	1.50	±20	11.8	18	9.0	152M

**Notes:**

1. Ordering Information: RIS7532A - bbbaFc.

RIS7532A = Product Type.

a = Tolerance of Inductance (M = ± 20%).

bbb = Inductance value in uH (i.e. 151 = 0.15uH; 152 = 1.5uH).

F = Internal Control Code.

c = Packaging Code (T = Tape & Reel Packaging in 13 inch Reel).

2. Inductance is tested at 100mV<sub>rms</sub>, 100kHz .

3. Saturation current, Isat, indicates the value of DC current when the inductance is 30% (typical) lower than its initial value at an ambient temperature of 25°C.

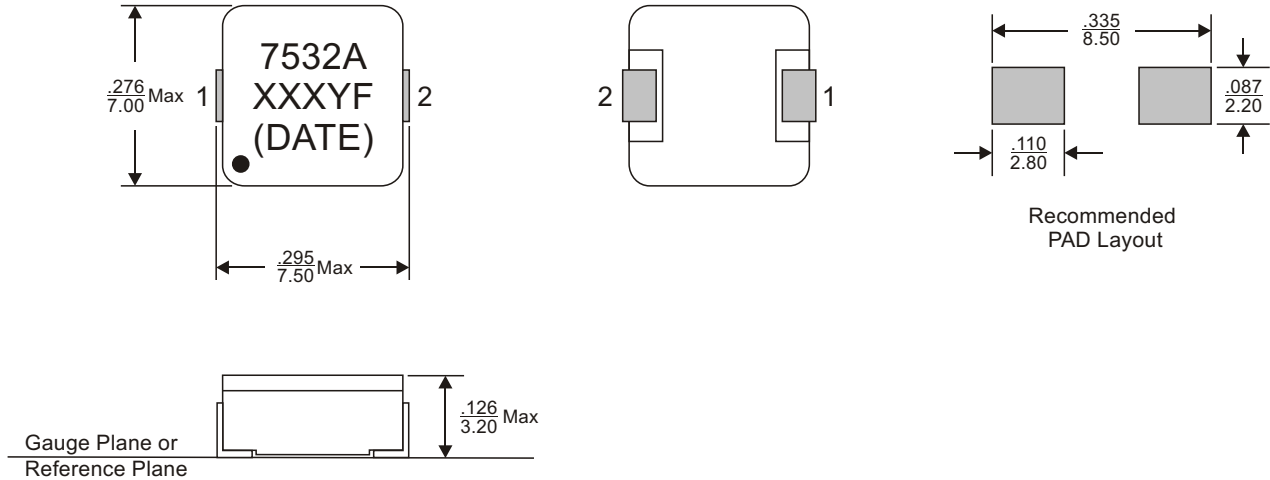
4. Heating current, I<sub>rms</sub>, is the current required to raise the component temperature by approximately 40°C. The heating current is determined by mounting the component on a typical PCB and applying current for 30 minutes.

5. Operating temperature range: -40°C to +125°C.

6. 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

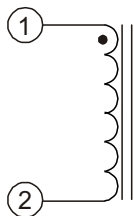


Notes:

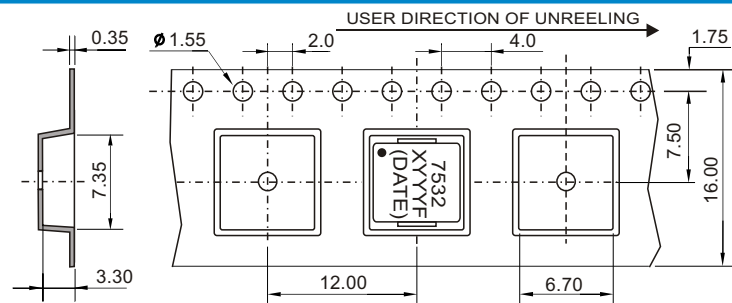
- 10. All dimensions are specified in  $\frac{\text{inches}}{\text{mm}}$  with higher precedence in mm.
- 11. Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0.25}$ .

Weight (in gram)	: 1.0 typ.
Tape & Reel	: 1500 / reel

SCHEMATIC



PACKAGING



FOR MORE INFORMATION, PLEASE CONTACT

HEADQUARTER

1/F., Harbour View 1, No.12 Science Park East Avenue,  
Phase II, Hong Kong Science Park, Shatin, N.T.

Hong Kong

Tel: (852) 2954 3333 Fax: (852) 2954 3304

Email: eempl@eleceltek.com

Website: <http://www.eleceltek.com> / [www.eemagnetic.com](http://www.eemagnetic.com)

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