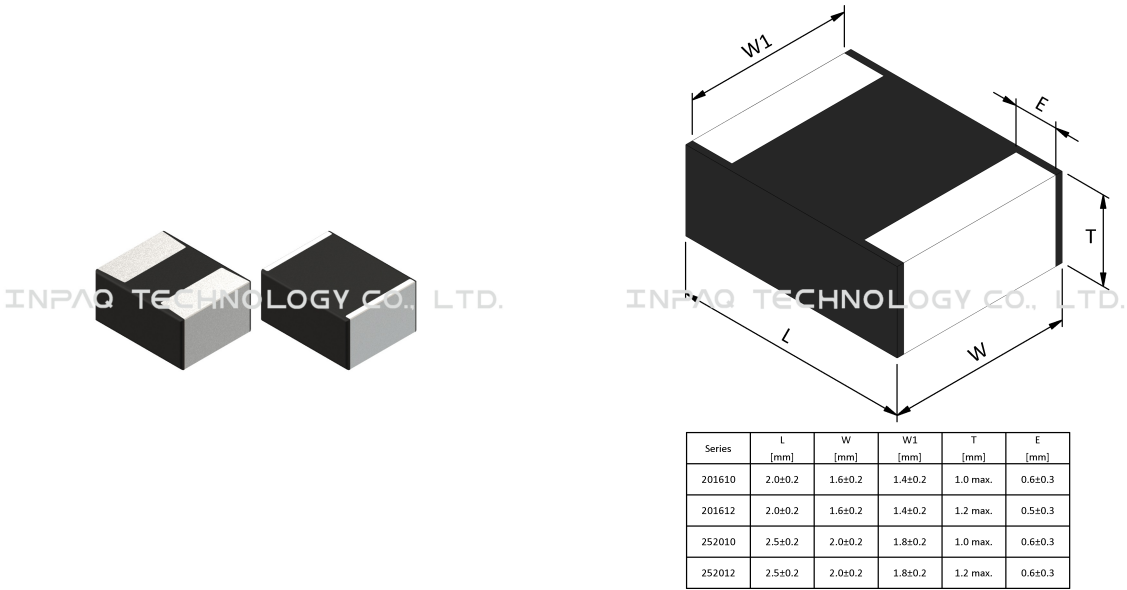


# WPA201610S-4R7ML



## Appearance & Shape



注意 NOTICE: All Specifications are subject to change without notice.
 

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 2. 本文件僅說明參考標準規格，如需訂購，請依實際核准所需規格進行申辦。

## Specification

|                                                                   |                 |
|-------------------------------------------------------------------|-----------------|
| L size(mm)                                                        | 2±0.2           |
| W size(mm)                                                        | 1.6±0.2         |
| T size(mm)                                                        | 1 max.          |
| Size code(Inch (mm))                                              | 0806/2016       |
| Inductance(uH)                                                    | 4.7             |
| DCR(mΩ) Typ.                                                      | 240             |
| DCR(mΩ) Max.                                                      | 288             |
| Isat(A) Typ.                                                      | 1.8             |
| Isat(A) Max.                                                      | 1.6             |
| Irms(A) Typ.                                                      | 1.3             |
| Irms(A) Max.                                                      | 1.1             |
| Q Value (Typ.)                                                    | 30              |
| SRF[MHz] Typ.                                                     | 40              |
| Withstand voltage(DC)                                             | 20V DC          |
| Operating Temperature range(including self-temperature rising) °C | -40°C to +150°C |

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Page 2/5

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## Notices

### Notes

1. Customized design is available, please contact us.
2. All test referenced to 25°C ambient.
3. Inductance tolerance +/- 20%.
4. Inductance is measured with Agilent® LCR meter 4285A (or equivalent) at 1MHz/1V.
5. DC resistance is measured with HIOKI® micro-ohm meter RM3542 or equivalent.
6. Isat : DC current (A) that will cause Li to drop approximately 30%.
7. Irms : DC current (A) that will cause an approximate  $\Delta T$  of 40°C.
8. The rated current value is following either Isat (max.) or Irms (max), which value is lower one.
9. The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions.  
PCB land pattern, trace size - thick, circuit design and proximity to other components are all the factors will affect the temperature performance of the device. Therefore, it should be approved in application conditions and end product.
10. Rated voltage:20V DC (max.)

## Packing

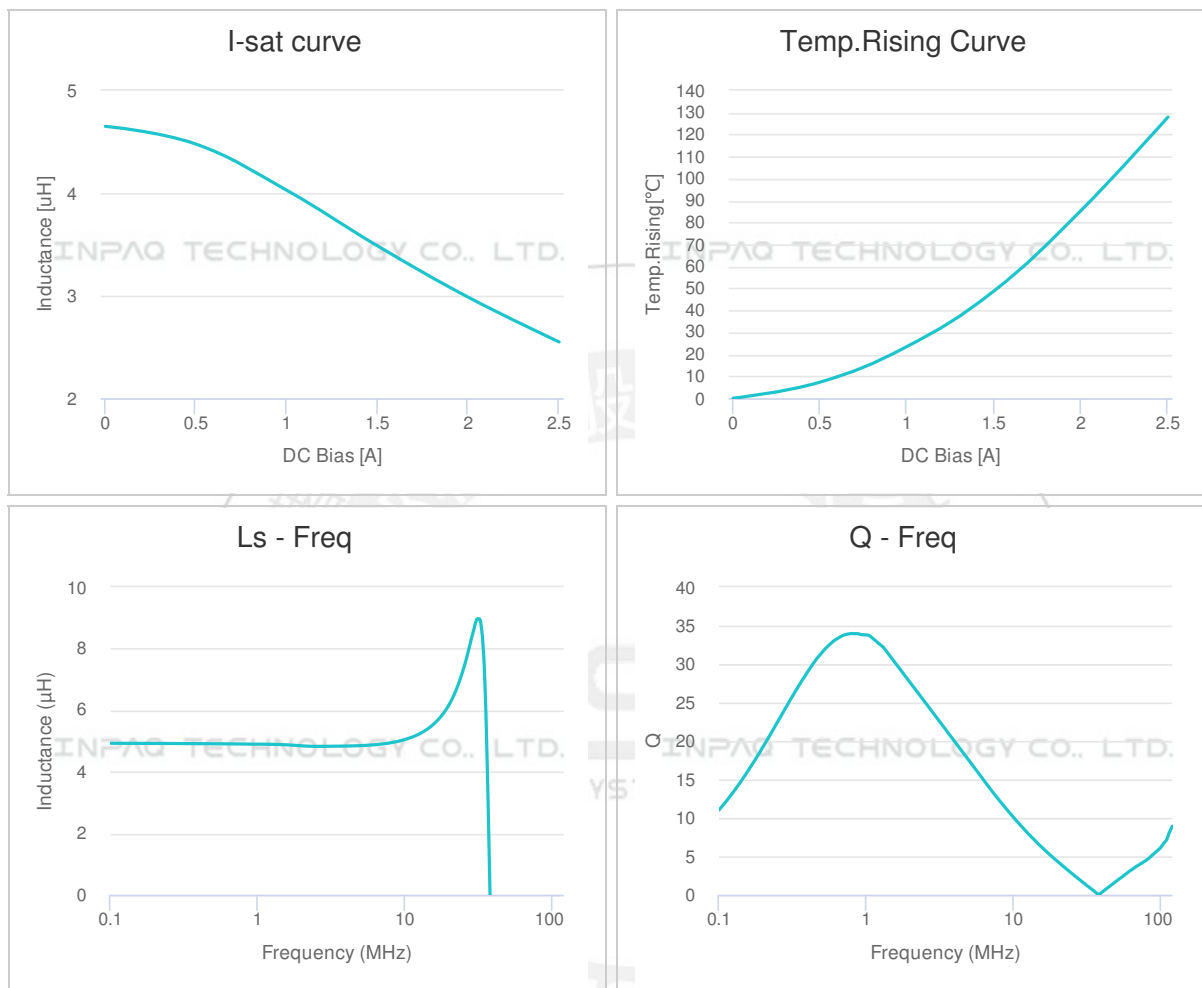
| Packing Reel(Inch) | Standard package quantity(KPCS) | Piece weight(gram) | MSL Level |
|--------------------|---------------------------------|--------------------|-----------|
| 7                  | 3                               | 0.0187             | 1         |

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Page 3/5

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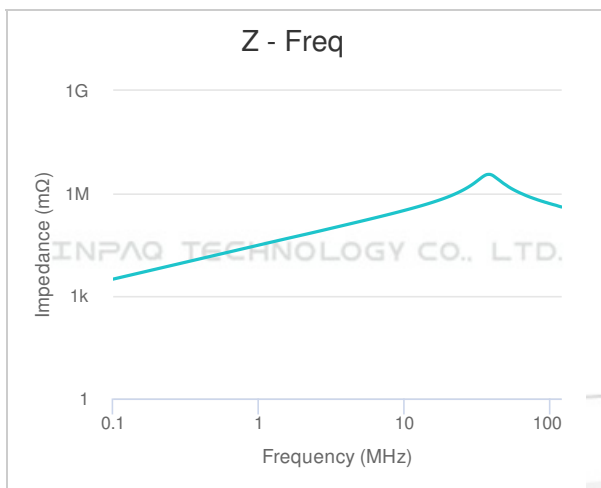
## Characteristic curve



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Page 4/5

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Page 5/5

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