

# Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : 74479887222

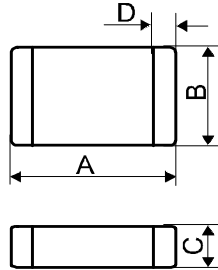


Bezeichnung : SMD-Powerinduktivität WE-PMI

description : SMD-power inductance WE-PMI

DATUM / DATE : 2009-03-16

## A Mechanische Abmessungen / dimensions:

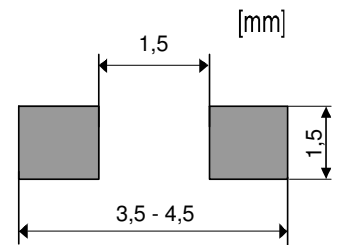


|   | Größe / size 1008 |    |
|---|-------------------|----|
| A | 2.5 ± 0.2         | mm |
| B | 2.0 ± 0.2         | mm |
| C | 1.0 ± 0.2         | mm |
| D | 0.5 ± 0.2         | mm |
|   |                   |    |
|   |                   |    |
|   |                   |    |
|   |                   |    |

## B Elektrische Eigenschaften / electrical properties:

| Eigenschaften / properties               | Testbedingungen / test conditions |                  | Wert / value | Einheit / unit | tol.   |
|------------------------------------------|-----------------------------------|------------------|--------------|----------------|--------|
| Induktivität / inductance                | 1 MHz                             | L                | 2.2          | μH             | ±20%   |
| Güte Q / Q factor                        | 1 MHz                             | Q                | 19           |                | min.   |
| DC-Widerstand / DC-resistance            | @ 20 °C                           | R <sub>DC</sub>  | 430          | mΩ             | +/-25% |
| Eigenres.-Frequenz / self-res.-frequency |                                   | SRF              | 70           | MHz            | min.   |
| Nennstrom / rated current                | ΔT=40 K                           | I <sub>DC</sub>  | 1000         | mA             | max.   |
| Sättigungsstrom / saturation current     | ΔL/L <30%                         | I <sub>sat</sub> | 1000         | mA             | typ.   |

## C Lötpad / soldering spec.:



## D Prüfgeräte / test equipment:

Agilent E4991 A für/for L und/and Q und/and SRF

GMC Metrahit 27i für/for R<sub>DC</sub>

WK3260B für/for I<sub>sat</sub>

Agilent 6032 für/for I<sub>DC</sub>

## E Testbedingungen / test conditions:

Luftfeuchtigkeit / humidity: 33%  
Umgebungstemperatur / temperature: +20 °C

## F Werkstoffe & Zulassungen / material & approvals:

Basismaterial / base material: Ferrit / ferrite

## G Eigenschaften / general specifications:

Betriebstemp. / operating temperature: -40 °C - + 125 °C  
Umgebungstemp. / ambient temperature: -40 °C - + 85 °C  
It is recommended that the temperature of the part does not exceed 125 °C under worst case operating conditions.

|                                     |                          |      |                         |              |
|-------------------------------------|--------------------------|------|-------------------------|--------------|
| Freigabe erteilt / general release: | Kunde / customer         |      |                         |              |
|                                     |                          |      |                         |              |
|                                     |                          |      |                         |              |
| Datum / date                        | Unterschrift / signature |      |                         |              |
|                                     | Würth Elektronik         |      |                         |              |
|                                     |                          |      |                         |              |
| Geprüft / checked                   | Kontrolliert / approved  | SMu  | Version 1               | 09-03-16     |
|                                     |                          | Name | Änderung / modification | Datum / date |

## Würth Elektronik eiSos GmbH & Co. KG

D-74638 Waldenburg · Max-Eyth-Strasse 1 - 3 · Germany · Telefon (+49) (0) 7942 - 945 - 0 · Telefax (+49) (0) 7942 - 945 - 400  
http://www.we-online.com

# Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : 74479887222

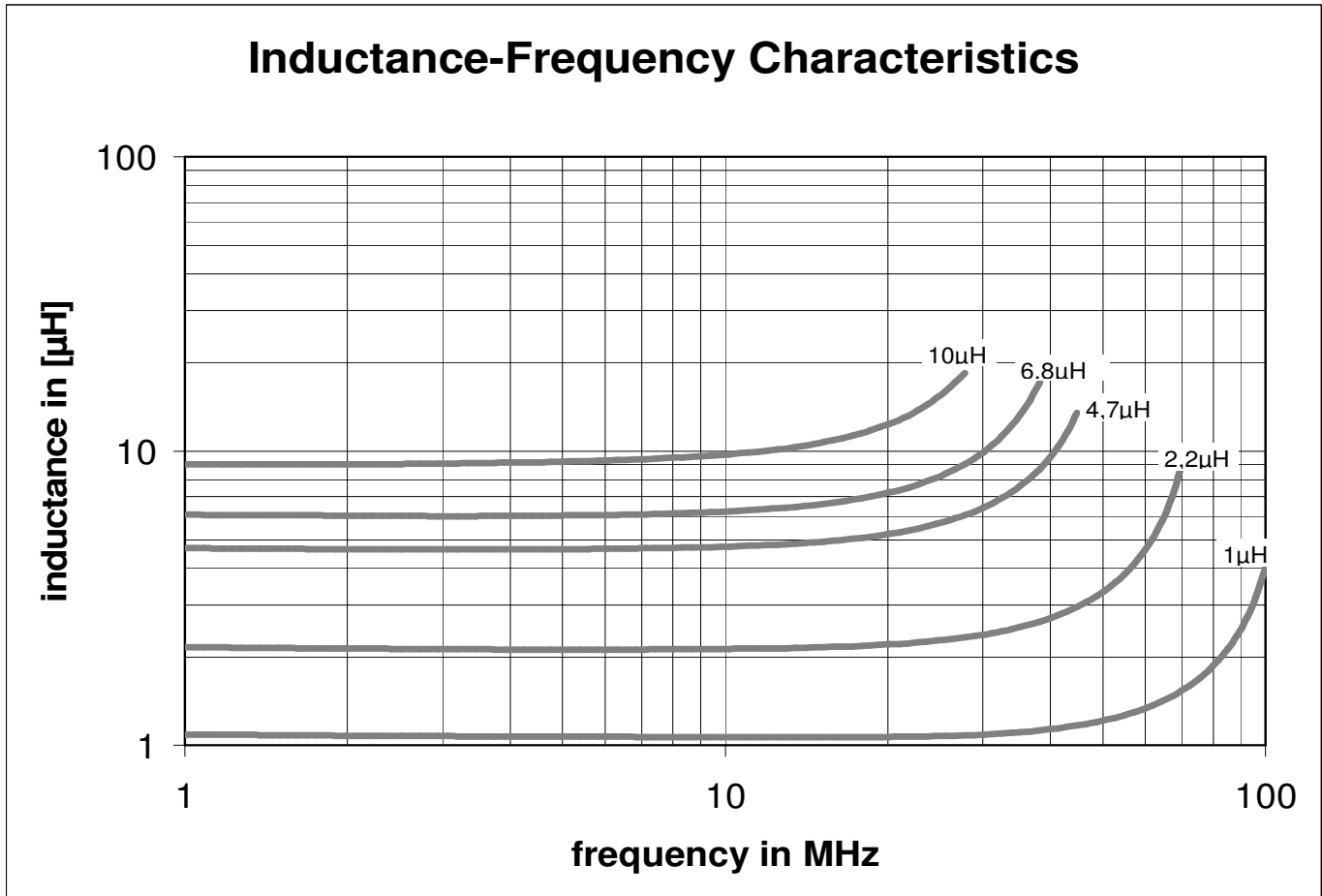
Bezeichnung : SMD-Powerinduktivität WE-PMI

description : SMD-power inductance WE-PMI



DATUM / DATE : 2009-03-16

## H Induktivitätskurve / Inductance curve :



|                                     |                          |      |                         |              |
|-------------------------------------|--------------------------|------|-------------------------|--------------|
| Freigabe erteilt / general release: | <b>Kunde / customer</b>  |      |                         |              |
|                                     |                          |      |                         |              |
| Datum / date                        | Unterschrift / signature |      |                         |              |
|                                     | <b>Würth Elektronik</b>  |      |                         |              |
|                                     |                          |      |                         |              |
| Geprüft / checked                   | Kontrolliert / approved  | SMu  | Version 1               | 09-03-16     |
|                                     |                          | Name | Änderung / modification | Datum / date |

### Würth Elektronik eiSos GmbH & Co. KG

D-74638 Waldenburg · Max-Eyth-Strasse 1 - 3 · Germany · Telefon (+49) (0) 7942 - 945 - 0 · Telefax (+49) (0) 7942 - 945 - 400  
<http://www.we-online.com>

# Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : 74479887222

Bezeichnung : SMD-Powerinduktivität WE-PMI

description : SMD-power inductance WE-PMI

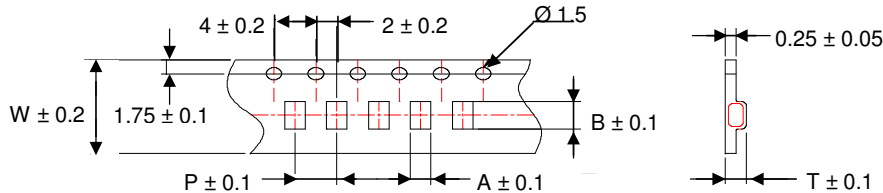


DATUM / DATE : 2009-03-16

## I Rollenspezifikation / Tape & Reel specification :

### Tape Spezifikation / tape specification

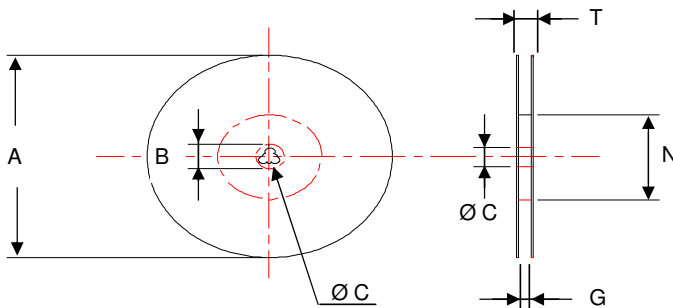
Material / Material: Polystyrene / polystyrene  
Abmessungen in / dimensions in mm / mm



| Bauform /<br>size | A   | B   | P | W /<br>Bandbreite | T   | VPE  | Teilenummer/ Part no. |
|-------------------|-----|-----|---|-------------------|-----|------|-----------------------|
| 1008              | 2,3 | 2,8 | 4 | 8                 | 1,5 | 3000 | 74479887 xxx          |

### Reel Spezifikation / reel specification

Material / Material: Kunststoff / Plastic  
Abmessungen in / dimensions in mm / mm



| Maß /<br>size | Bandbreite 8 mm /<br>width 8 mm | Band  |
|---------------|---------------------------------|-------|
| A             | 178.0                           | ± 2.0 |
| B             | 21.0                            | ± 0.8 |
| C             | 13.0                            | ± 0.8 |
| G             | 10.0                            | + 1.5 |
| N             | 75.0                            | ± 2.0 |
| T             | 12.5                            | ± 1.5 |

Freigabe erteilt / general release:

Kunde / customer

Datum / date

Unterschrift / signature

Würth Elektronik

Geprüft / checked

Kontrolliert / approved

This electronic component has been designed and developed for usage in general electronic equipment. Before incorporating this component into any equipment where higher safety and reliability is especially required or if there is the possibility of direct damage or injury to human body, for example in the range of aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc, Würth Elektronik eiSos GmbH must be informed before the design-in stage. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component which is used in electrical circuits that require high safety and reliability functions or performance.

**Würth Elektronik eiSos GmbH & Co. KG**

D-74638 Waldenburg · Max-Eyth-Strasse 1 - 3 · Germany · Telefon (+49) (0) 7942 - 945 - 0 · Telefax (+49) (0) 7942 - 945 - 400

<http://www.we-online.com>