

# 744776047A Datasheet



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|                              |   |
|------------------------------|---|
| DiGi Electronics Part Number | 744776047A-DG   |
| Manufacturer                 | <a href="#">Würth Elektronik</a>  |
| Manufacturer Product Number  | 744776047A  |
| Description                  | FIXED IND 4.7UH 4A 40 MOHM SMD  |
| Detailed Description         | 4.7 $\mu$ H Unshielded Drum Core, Wirewound Inductor 4 A 40mOhm Max Nonstandard |



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## Purchase and inquiry

**Manufacturer Product Number:**

744776047A

**Series:**

WE-PD2

**Type:**

Drum Core, Wirewound

**Inductance:**4.7  $\mu$ H**Current Rating (Amps):**

4 A

**Shielding:**

Unshielded

**Q @ Freq:**

33 @ 7.96MHz

**Ratings:**

-

**Inductance Frequency - Test:**

1 kHz

**Package / Case:**

Nonstandard

**Size / Dimension:**

0.374" L x 0.374" W (9.50mm x 9.50mm)

**Manufacturer:**

Würth Elektronik

**Product Status:**

Active

**Material - Core:**

Ferrite

**Tolerance:** $\pm$ 20%**Current - Saturation (Isat):**

-

**DC Resistance (DCR):**

40mOhm Max

**Frequency - Self Resonant:**

40MHz

**Operating Temperature:**

-40°C ~ 125°C

**Mounting Type:**

Surface Mount

**Supplier Device Package:**

-

**Height - Seated (Max):**

0.228" (5.80mm)

## Environmental & Export classification

**RoHS Status:**

ROHS3 Compliant

**REACH Status:**

REACH Unaffected

**HTSUS:**

8504.50.4000

**Moisture Sensitivity Level (MSL):**

1 (Unlimited)

**ECCN:**

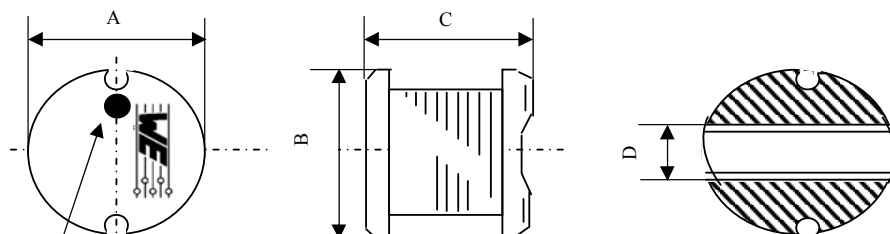
EAR99

# Spezifikation für Freigabe / specification for release

Kunde / customer : \_\_\_\_\_

Artikelnummer / part number : **744776047A**Bezeichnung : **SPEICHERDROSSEL WE-PD2**description : **POWER-CHOKE WE-PD2****WÜRTH ELEKTRONIK**

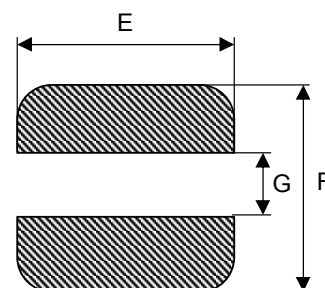
DATUM / DATE : 2002-04-10

**A Mechanische Abmessungen / dimensions:**marking dot is start winding  
& inductance code

|   | Typ XL           |    |
|---|------------------|----|
| A | <b>9,5 ± 0,3</b> | mm |
| B | <b>9,5 ± 0,3</b> | mm |
| C | <b>5,5 ± 0,3</b> | mm |
| D | <b>2,9 typ</b>   | mm |
| E | <b>10,0 ref</b>  | mm |
| F | <b>10,0 ref</b>  | mm |
| G | <b>2,8 ref</b>   | mm |

**B Elektrische Eigenschaften / electrical properties:**

| Eigenschaften / properties               | Testbedingungen / test conditions |                 | Wert / value | Einheit / unit | tol.        |
|--|-----------------------------------|-----------------|--------------|----------------|-------------|
| Induktivität / inductance                | <b>1 kHz / 0,25V</b>              | L               | <b>4,7</b>   | µH             | <b>±20%</b> |
| Güte Q / Q factor                        | <b>7,960 MHz</b>                  | Q               | <b>33</b>    |                |             |
| DC-Widerstand / DC-resistance            |                                   | R <sub>DC</sub> | <b>0,04</b>  | Ω              | <b>max.</b> |
| Nennstrom / rated current                |                                   | I <sub>DC</sub> | <b>4,00</b>  | A              | <b>max.</b> |
| Eigenres.-Frequenz / self-res.-frequency |                                   | SRF             | <b>40,00</b> | MHz            |             |

**C Lötpad / soldering spec.:****D Prüfgeräte / test equipment:**

HP 4274 A für/for L und/and Q

HP 4274 A für/for R<sub>DC</sub> und I<sub>DC</sub>**E Testbedingungen / test conditions:**

Luftfeuchtigkeit / humidity: 33%

Umgebungstemperatur / temperature: +20°C

**F Werkstoffe & Zulassungen / material & approvals**Basismaterial / base material: Ferrit  
Draht / wire: 2UEW ; 130°C**G Eigenschaften / general specifications:**

Lagertemperatur / storage temperature: -40°C ~ + 125°C

Betriebstemp. / operating temperature: -40°C ~ +105°C

| Freigabe erteilt / general release: |  | Kunde / customer         |  |      |                                      |
|-------------------------------------|--|--------------------------|--|------|--------------------------------------|
| .....                               |  | .....                    |  |      |                                      |
| Datum / date                        |  | Unterschrift / signature |  | SST  | Update temperature 03-07-03          |
| .....                               |  | Würth Elektronik         |  | RT   | Update 2002-01-20                    |
| .....                               |  | .....                    |  | RT   | Update 02-04-10                      |
| .....                               |  | .....                    |  | MST  | Neugestaltung 02-02-05               |
| Geprüft / checked                   |  | Kontrolliert / approved  |  | Name | Änderung / modification Datum / date |

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