

3540100KJT ✓ ACTIVE

CGS | CGS 3540

TE Internal #: 3-2176402-2

100K  $\Omega$ , Thick Metal Film, Power Resistor, 5 %, 2 Termination,  
Taped & Reeled, 4 W,  $\pm 100$  ppm/ $^{\circ}\text{C}$ , Solder, Height .043 in [1.1  
mm], CGS 3540

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Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Power Resistor**

Number of Terminations: **2**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **5 %**

Element Type: **Thick Metal Film**

## Features

### Product Type Features

Resistor Type	Power Resistor
Element Type	Thick Metal Film

### Configuration Features

Number of Resistors	1
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### Electrical Characteristics

Operating Voltage	250 V
Passive Component Tolerance	5 %
Resistance Class	1k $\Omega$ – 1M $\Omega$
Resistance Value	100K $\Omega$
Power Rating	4 W

### Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Solder



### Dimensions

Product Height	1.1 mm[.043 in]
Product Length	7.1 mm[.28 in]
Product Width	4.2 mm[.165 in]

### Usage Conditions

Temperature Coefficient	$\pm 100$ ppm/ $^{\circ}\text{C}$
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### Packaging Features

Packaging Method	Taped & Reeled
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260 $^{\circ}\text{C}$

#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

### Compatible Parts



TE Part # 3-2176400-1  
3540 18R 1%



TE Part # 3-2176400-2  
3540 20R 1%



TE Part # 8-2176400-0  
3540 2K0 1%



TE Part # 8-2176400-3  
3540 2K7 1%



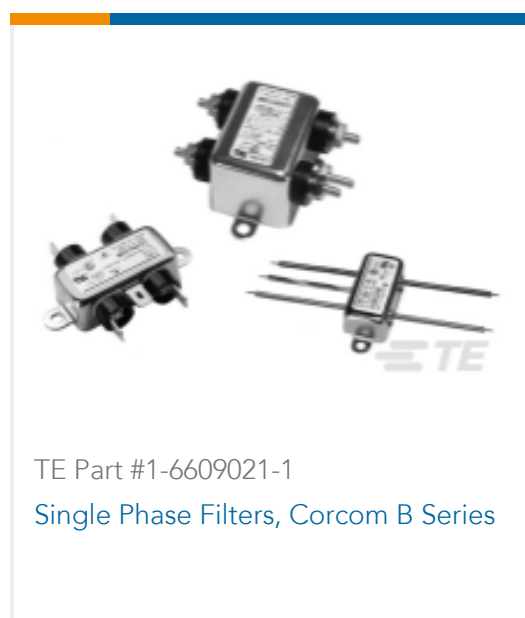
TE Part # 4-2176400-1  
3540 47R 1%

### Also in the Series | CGS 3540



Surface Mount Resistors(254)

### Customers Also Bought



TE Part #1-6609021-1  
Single Phase Filters, Corcom B Series



TE Part #1981284-4  
SEMI-HARD TRAY DDR2 SODIMM 9.2 H STD AMC



TE Part #5380635-2  
RCR AU-SPR SN-CUP OE 018-040



TE Part #641969-1  
06P UMNL PIN HDR ASSY V2 NATL



TE Part #61499-1  
250 FASTON TAB TPBR



TE Part #5-1614884-2  
CPF 0805 330R 0.1% 25PPM 1K RL



TE Part #2176093-2  
RP 2A 0.25W 9K31 0.1% 25PPM 1K RL



TE Part #9-1440003-5  
PCH-124D2H,000



## Documents

### Product Drawings

[3540 100K 5%](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_3-2176402-2\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-2176402-2\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-2176402-2\\_A.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[SMD HIGH POWER RESISTORS - TYPE 3540 SERIES](#)

English