

354020RFT ✓ ACTIVE

CGS | CGS 3540

TE Internal #: 3-2176400-2

20  $\Omega$ , Thick Metal Film, Power Resistor, 1 %, 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: **1 %**

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	1 %
Resistance Class	Up to 1k $\Omega$
Resistance Value	20 $\Omega$
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

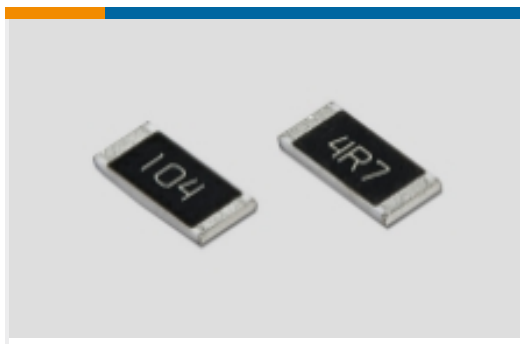
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



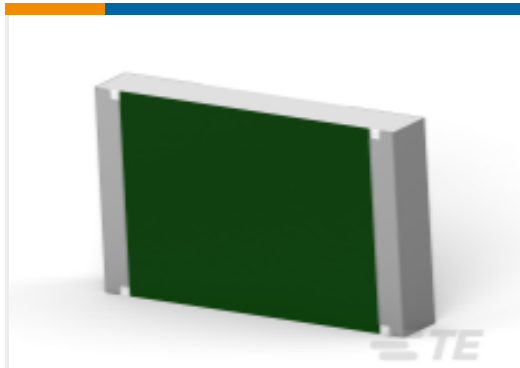
 TE Part # 2-2176401-2 3540 100K 1%	 TE Part # 3-2176402-2 3540 100K 5%	 TE Part # 9-2176401-5 3540 100R 5%	 TE Part # 9-2176400-7 3540 10K 1%
 TE Part # 2-2176402-0 3540 10K 5%	 TE Part # 7-2176401-0 3540 10M 1%	 TE Part # 5-2176402-6 3540 10M 5%	 TE Part # 2-2176400-5 3540 10R 1%
 TE Part # 8-2176401-3 3540 10R 5%	 TE Part # 2-2176401-3 3540 110K 1%	 TE Part # 5-2176400-0 3540 110R 1%	 TE Part # 9-2176400-8 3540 11K 1%
 TE Part # 2-2176400-6 3540 11R 1%	 TE Part # 2-2176401-4 3540 120K 1%	 TE Part # 3-2176402-3 3540 120K 5%	 TE Part # 5-2176400-1 3540 120R 1%
 TE Part # 9-2176401-6 3540 120R 5%	 TE Part # 9-2176400-9 3540 12K 1%	 TE Part # 2-2176402-1 3540 12K 5%	 TE Part # 2-2176400-7 3540 12R 1%

Also in the Series | **CGS 3540**

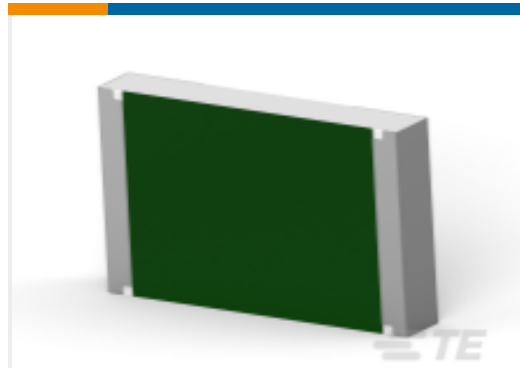


Surface Mount Resistors(254)

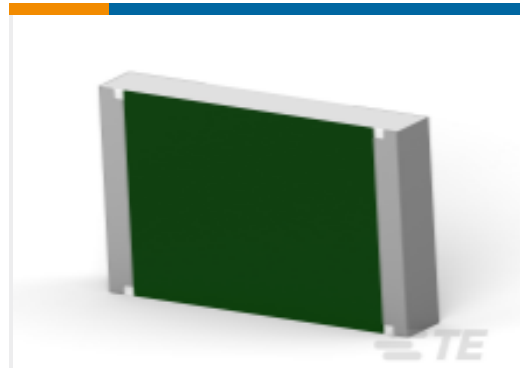
### Customers Also Bought



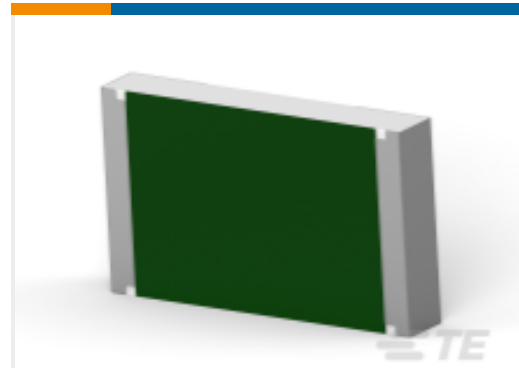
TE Part #8-2176401-6  
3540 18R 5%



TE Part #8-2176401-7  
3540 22R 5%



TE Part #3-2176400-4  
3540 24R 1%



TE Part #8-2176401-9  
3540 33R 5%



TE Part #1-2176349-3  
CRGCQ 2512 100R 1%



TE Part #CW9557-000  
CBS-24CN21-21M-9



TE Part #CQ50643001  
LWB-101-10.0(10)

### Documents

#### Product Drawings

3540 20R 1%

English

#### CAD Files

3D PDF

3D

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

#### Datasheets & Catalog Pages

SMD HIGH POWER RESISTORS - TYPE 3540 SERIES

English