# BDS2A1003R3K ✔ ACTIVE

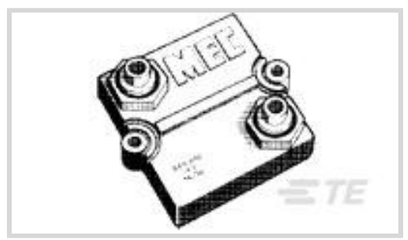
CGS | CGS BDS

TE Internal #: 1-1614782-3

3.3 ohm, Thick Film, 10 %, Power Resistor, 100 W, 2 Terminations, ±150 ppm/°C, Screw Terminals, Loose Piece - Tray, 21 mm [.827 in] Height, CGS BDS

View on TE.com >

Passive Components > Resistors > Chassis Mount Resistors > Resistor Power BDS2A100



Resistor Type: **Power Resistor**

Resistance Class: **Up to 1kΩ**

Resistance Value: **3.3 Ω**

Power Rating: **100 W**

Element Type: **Thick Film**

All Resistor Power BDS2A100 (30)

## Features

### Product Type Features

| | |
|---|---|
| Resistor Type | Power Resistor |
| Element Type | Thick Film |

### Configuration Features

| | |
|---|---|
| Number of Resistors | 1 |

### Electrical Characteristics

| | |
|---|---|
| Resistance Class | Up to 1kΩ |
| Resistance Value | 3.3 Ω |
| Power Rating | 100 W |
| Passive Component Tolerance | 10 % |

### Termination Features

| | |
|---|---|
| Number of Terminations | 2 |
| Chassis Mount Resistor Termination Type | Screw Terminals |

### Mechanical Attachment

| | |
|---|---|
| Panel Mount Feature Type | Flange with Mounting Holes |

### Dimensions

| | |
|---|---|
| Product Height | 21 mm[.827 in] |

| | |
|---|---|
| Product Length | 38 mm[1.496 in] |
| Product Width | 25.5 mm[1.004 in] |

### Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |
| Temperature Coefficient | ±150 ppm/°C |

### Packaging Features

| | |
|---|---|
| Packaging Method | Loose Piece - Tray |

## Product Compliance

For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Out of Scope |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Not applicable for solder process capability |

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

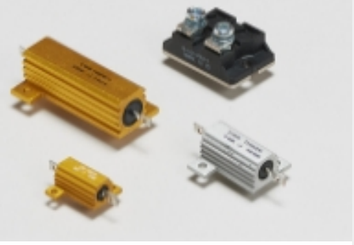


TE Part # CAT-C339-B349
Resistor Power BDS2A100



TE Part # 2-1614770-2
BDS 2 A 250 3R3 10%

## Also in the Series | CGS BDS



Chassis Mount Resistors(150)

## Customers Also Bought



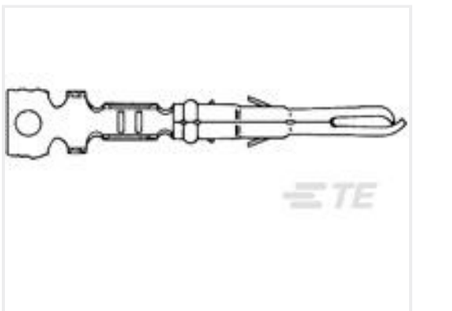
TE Part #EK7271-000
202S132-100C-0



TE Part #60617-1
CMNL SOK SNBR L/P



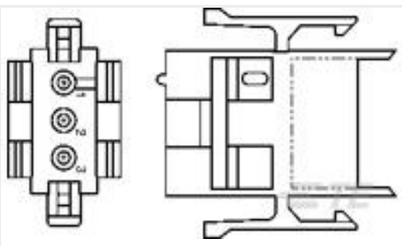
TE Part #60618-1
CMNL PIN PTPBR L/P



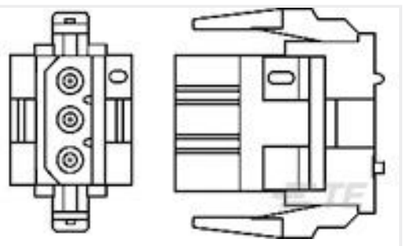
TE Part #350967-1
MR PIN PTPPHBZ



TE Part #1-480319-0
02P CMNL CAP HSG NATL



TE Part #1-640507-0
02P MR II CAP HSG



TE Part #1-640517-0
02P MR II PLUG HSG



TE Part #5-747905-2
9 Rcpt Solder Cup, Gold Flash,



TE Part #1658622-5
24 NOVO MIL/CTR 30DP,LEAD FREE



TE Part #5748676-2
DIE CAST CBL CLMP KIT,SZ 2

# Documents

## Product Drawings

BDS 2 A 100 3R3 10%

English

## CAD Files

Customer View Model

ENG_CVM_CVM_1-1614782-3_J.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1614782-3_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1614782-3_J.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

## Datasheets & Catalog Pages

4-1773460-6_RESISTIVE_SOLUTIONS_RAIL

English

1309350_PASSIVE_COMPONENT

English

Thick Film Power Resistors - Type BDS100 Series

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English