BDS2A10047RK ✔ ACTIVE

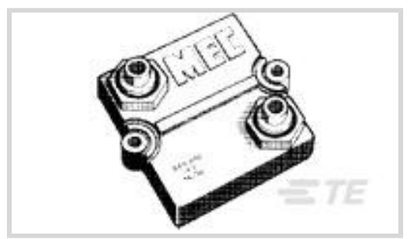
CGS | CGS BDS

TE Internal #: 1-1614782-5

47 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: **47 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	47 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) Candidate List Declared Against: JUNE 2024 (241) 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 # 2-1614770-2
BDS 2 A 250 3R3 10%



TE Part # CAT-C339-B349
Resistor Power BDS2A100

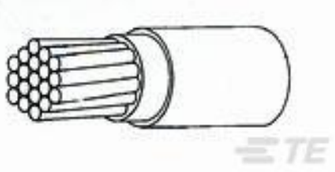
Also in the Series | CGS BDS

Chassis Mount Resistors(150)

Customers Also Bought



TE Part #814458-000
234A011-3-0



TE Part #2820663005
44A0111-12-9



TE Part #214049-E
SRCA 1,27 4 F 1 I2426 137 E1 094 1,07 TR



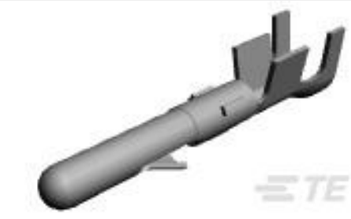
TE Part #CB03354011
RW-200-E-3/8-0-SP



TE Part #CAT-T3437-R819
RPS Commercial Grade Sleeves



TE Part #822632-SF
FN9262S-10-07



TE Part #60618-4
CMNL PIN PTPPHBZL/P



TE Part #320572
PIDG R 22-16COMM 22-18MIL 5/16

TE Part #C0-0001-000-P00
POSITIONERS COMPLETE

Documents

Product Drawings

BDS 2 A 100 47R 10%

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1614782-5_J.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1614782-5_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1614782-5_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