CPF-A-0805B25KE1 ✔ ACTIVE

Neohm | Neohm CPF

TE Internal #: 5-2176217-6

Precision Resistor, Thin Film, 0805, .1 W, 25K Ω, .1 %, ±25 ppm/°C, Solder, 2 Termination, Height .022 in [.55 mm], Length .079 in [2 mm], Neohm CPF

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors

Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **0805**

Power Rating: **.1 W**

Resistance Value: **25K Ω**

Features

Product Type Features

Resistor Type	Precision Resistor
Element Type	Thin Film
Package Size Code	0805

Configuration Features

Number of Resistors	1

Electrical Characteristics

Power Rating	.1 W
Resistance Value	25K Ω
Resistance Class	1kΩ - 1MΩ
Passive Component Tolerance	.1 %

Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

Dimensions

Product Height	.55 mm[.022 in]
Product Length	2 mm[.079 in]
Product Width	1.25 mm[.049 in]

Usage Conditions

Temperature Coefficient	±25 ppm/°C

Packaging Features

Packaging Method	Taped & Reeled

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	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) 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°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 # 2176216-4
CPF A 0603 20R 0.1% 25PPM 1K RL

TE Part # 2176217-4
CPF A 0805 15R 0.1% 25PPM 1K RL

TE Part # 3-2176217-3
CPF A 0805 1K0 0.1% 25PPM 1K RL

TE Part # 2176217-7
CPF A 0805 22R 0.1% 25PPM 1K RL

TE Part # 4-2176215-8
CPF A 0402 100K 0.1% 25PPM 1K RL

TE Part # 2176215-2
CPF A 0402 100R 0.1% 25PPM 1K RL

TE Part # 2-2176215-6
CPF A 0402 10K 0.1% 25PPM 1K RL

TE Part # 2-2176215-7
CPF A 0402 11K8 0.1% 25PPM 1K RL

TE Part # 2-2176215-8
CPF A 0402 12K 0.1% 25PPM 1K RL

TE Part # 2-2176215-9
CPF A 0402 15K 0.1% 25PPM 1K RL

TE Part # 2176215-7
CPF A 0402 1K0 0.1% 25PPM 1K RL

TE Part # 2176215-9
CPF A 0402 1K43 0.1% 25PPM 1K RL

TE Part # 1-2176215-0
CPF A 0402 1K5 0.1% 25PPM 1K RL

TE Part # 1-2176215-3
CPF A 0402 200R 0.1% 25PPM 1K RL

TE Part # 3-2176215-1
CPF A 0402 20K 0.1% 25PPM 1K RL

TE Part # 3-2176215-2
CPF A 0402 22K 0.1% 25PPM 1K RL

TE Part # 2176215-3
CPF A 0402 249R 0.1% 25PPM 1K RL

TE Part # 3-2176215-4
CPF A 0402 24K9 0.1% 25PPM 1K RL

TE Part # 1-2176215-4
CPF A 0402 2K1 0.1% 25PPM 1K RL

TE Part # 1-2176215-5
CPF A 0402 2K2 0.1% 25PPM 1K RL

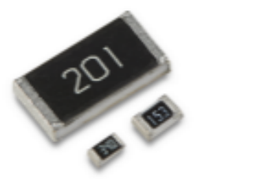
Also in the Series | Neohm CPF

Surface Mount Resistors(6124)

Customers Also Bought

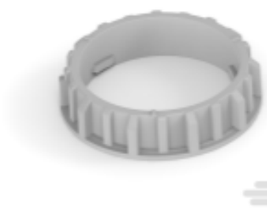
TE Part # 3-1879074-9
THS15 2K2 5%

TE Part # 1-2176088-2
RP 1J 0.166W 976R 0.1% 25PPM 1K RL

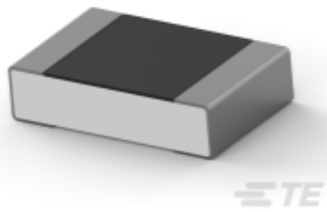


TE Part # 5-2176325-1
CRGP 0402 150K 1%

TE Part # YDTS20W11-35PAV001
RECP ASSY



TE Part # 2350943-2
FIX RING,CONN KIT



TE Part # 2176374-2
RQ 0805 110R 0.1% 10PPM 1K RL

TE Part # 1878660-6
QC236

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-2176217-6_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-2176217-6_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-2176217-6_BA.3d_stp.zip

English

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

Datasheets & Catalog Pages

Automotive Grade Thin Film Chip Resistor - Type CPF-A Series

English