JWD-172-7 ✔ ACTIVE

Potter & Brumfield | Potter & Brumfield JWD Series

TE Internal #: 3-1393771-0

Potter & Brumfield JWD Series, Signal Relays, 10VDC Contact Voltage Rating, 64mW Signal Relay Coil Power Rating (DC)

View on TE.com >

Relays, Contactors & Switches > Relays > Signal Relays

Contact Voltage Rating: **10 VDC**

Signal Relay Coil Power Rating (DC): **64 mW**

Isolation (HF Parameter): **-18dB @ 900MHz, -30dB @ 100MHz**

Insertion Loss (HF Parameter): **-.12dB @ 100MHz, -1.9dB @ 900MHz**

Signal Relay Mounting Type: **Printed Circuit Board**

Features

Product Type Features

Relay Type	JWD/JWS Series Reed Relay
Relay Style	JWD/JWS Series Reed Relays
Product Type	Relay

Electrical Characteristics

Coil Power Rating Class	200 – 300 mW
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	175 Vrms
Contact Limiting Short-Time Current	.5 A
Insulation Initial Dielectric Between Contacts and Coil	500 Vrms
Insulation Initial Dielectric Between Coil/Contact Class	0 – 500 V
Power Consumption	50 – 288 mW
Insulation Initial Resistance	1000 MΩ
Contact Limiting Making Current	.5 A
Coil Resistance	500 Ω
Contact Limiting Continuous Current	.5 A
Coil Type	Monostable
Contact Limiting Breaking Current	.5 A
Contact Switching Load (Min)	10mA @ .01V
Coil Special Features	Coil Suppression Diode, UL Coil Insulation

Contact Voltage Rating	10 VDC
Signal Relay Coil Power Rating (DC)	64 mW
Signal Relay Coil Voltage Rating	12 VAC
Signal Relay Contact Switching Voltage (Max)	28 VDC
Signal Relay Coil Magnetic System	Monostable, DC

Signal Characteristics

Isolation (HF Parameter)	-18dB @ 900MHz, -30dB @ 100MHz
Insertion Loss (HF Parameter)	-.12dB @ 100MHz, -1.9dB @ 900MHz

Body Features

Weight	2.3 g[.0811 oz]

Contact Features

Contact Plating Material	Ruthenium
Contact Current Class	0 – 2 A
Contact Special Features	Reed Contacts
Signal Relay Terminal Type	PCB-THT
Signal Relay Contact Current Rating	1.25 A
Signal Relay Contact Arrangement	1 Form C (CO)
Contact Material	Nickel-Titanium
Contact Number of Poles	1

Termination Features

Termination Type	Through Hole

Mechanical Attachment

Signal Relay Mounting Type	Printed Circuit Board

Dimensions

Width Class (Mechanical)	6 – 8 mm
Width	6.6 mm[.26 in]
Height	8 mm[.315 in]
Length Class (Mechanical)	16 – 20 mm
Length	20.3 mm[.799 in]
Height Class (Mechanical)	7 – 8 mm

Usage Conditions

Environmental Ambient Temperature (Max)	85 °C[85 °F]

Environmental Ambient Temperature Class	70 – 85°C
Operating Temperature Range	-35 – 85 °C

Operation/Application

Performance Type	Standard

Packaging Features

Packaging Method	Box & Tray, Tray

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
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JUN 2013 (144) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 260°C

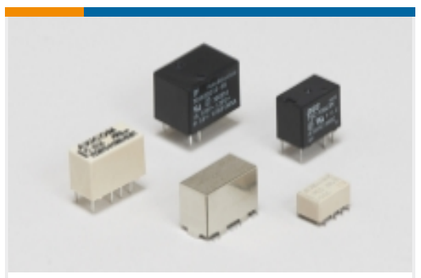
Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Part # 2-1393771-7
JWD-172-3=REED RELAYS

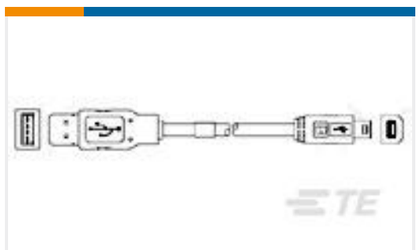
Also in the Series | Potter & Brumfield JWD Series



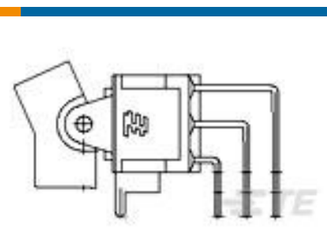
Signal Relays(33)

Customers Also Bought

TE Part #1612618-4
SEMI-HARD TRAY DDR2 SODIMM SOCKET 200P 9



TE Part #1487587-1
USB, A-B, 28/26, WHITE, 1.0M



TE Part #1-1571986-1
A101J1AV2Q004=SGL POLE,ROCKER

TE Part #103635-4
05 MTE HDR SRRA LATCH .100CL

TE Part #1-2176056-2
RLP73M 2B R030 5% 5K RL

TE Part #1-535541-8
20 MODIV VRT SR CE 100/115

TE Part #1617122-3
JMACD-12XP = M39016/15-079P

TE Part #ZPF000000000099565
732-8256-99

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1393771-0_99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-1393771-0_99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1393771-0_99.3d_stp.zip

English

Datasheets & Catalog Pages

JWD/JWS Dual In-Line Package & Single In-Line Package Dry Reed Relays

English

Industrial Relays Quick Reference Guide

English

Industrial Relays Quick Reference Guide

Japanese

Industrial Relays Quick Reference Guide

Product Specifications

Definitions, Handling, Processing, Testing and Use of Relays

English

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity:

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