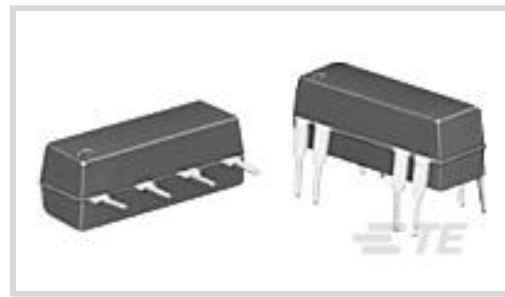




Relays, Contactors & Switches > Relays > Signal Relays



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]
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### 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
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### Mechanical Attachment

Signal Relay Mounting Type	Printed Circuit Board
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### 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]
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Environmental Ambient Temperature Class	70 – 85°C
Operating Temperature Range	-35 – 85 °C

**Operation/Application**

Performance Type	Standard
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**Packaging Features**

Packaging Method	Box & Tray, Tray
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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
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.

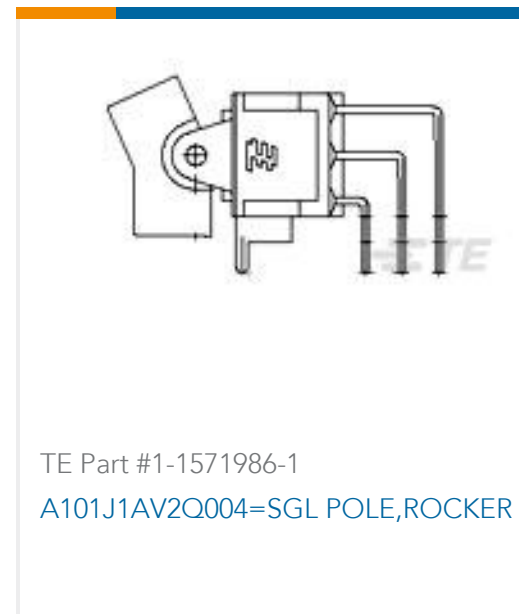
**Compatible Parts**



Also in the Series | **Potter & Brumfield JWD Series**



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### Datasheets & Catalog Pages

[JWD/JWS Dual In-Line Package & Single In-Line Package Dry Reed Relays](#)

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### Product Specifications

[Definitions, Handling, Processing, Testing and Use of Relays](#)

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