JWS-117-6 ✔ ACTIVE

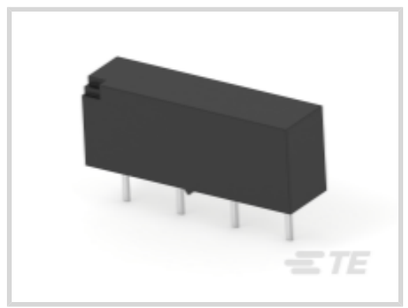
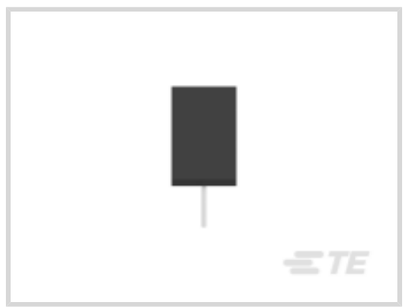
Potter & Brumfield | Potter & Brumfield JWD Series

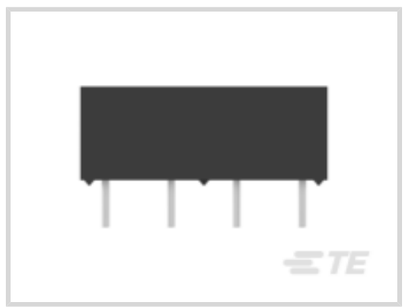
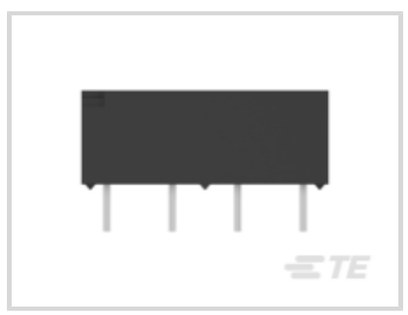
TE Internal #: 3-1393771-8

Signal Relays, 20 VDC Contact Voltage, 128 mW Coil Power (DC), Printed Circuit Board, PCB-THT, 5 VDC Coil Voltage, Potter & Brumfield JWD Series

View on TE.com >

Relays, Contactors & Switches > Relays > Signal Relays

Contact Voltage Rating: **20 VDC**

Signal Relay Coil Power Rating (DC): **128 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	0 – 100 mW
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	250 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	20 VDC
Signal Relay Coil Power Rating (DC)	128 mW
Signal Relay Coil Voltage Rating	48 VAC
Signal Relay Contact Switching Voltage (Max)	100 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	2 A
Signal Relay Contact Arrangement	2 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	7.8 mm[.307 in]

Length Class (Mechanical)	20 – 25 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	High Sensitive

Packaging Features

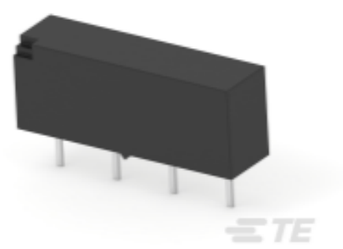
Packaging Method	Box & Tray, Tray

Product Compliance

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

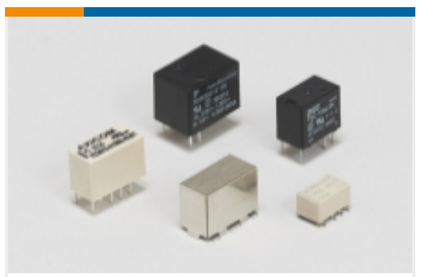
EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUN 2020 (209) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Wave solder capable to 260°C

Compatible Parts



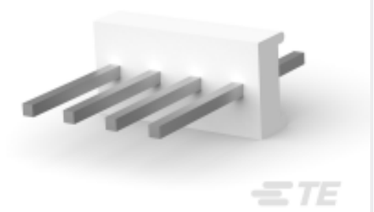
TE Part # 3-1393771-2
JWS-117-1=REED RELAYS

Also in the Series | Potter & Brumfield JWD Series



Signal Relays(33)

Customers Also Bought



TE Part #640456-5
PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment

TE Part #T4061310004-001
M8 CABLE ST FEMALE 0.5M 4POS PVC CABLE

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_3-1393771-8_O.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_3-1393771-8_O.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_3-1393771-8_O.3d_stp.zip

English

Datasheets & Catalog Pages

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

English

Product Specifications

Definitions General Purpose Relays

English