

OUAZ-SS-112L,900

✓ ACTIVE

OEG | OEG Signal PCB Relay OUAZ

TE Internal #: 1419131-5

OEG Signal PCB Relay OUAZ, Signal Relays, 24VDC Contact Voltage Rating, 120VAC Contact Voltage Rating, 200mW Signal Relay Coil Power Rating (DC)

[View on TE.com >](#)



Relays, Contactors & Switches > Relays > Signal Relays



Contact Voltage Rating: **120 VAC**

Signal Relay Coil Power Rating (DC): **200 mW**

Isolation (HF Parameter): **-20.7dB @ 900MHz, -39dB @ 100MHz**

Insertion Loss (HF Parameter): **-.02dB @ 100MHz, -.27dB @ 900MHz**

Features

Product Type Features

Relay Type	Signal PCB Relay OUAZ
Relay Style	OUAZ Signal Relay
Product Type	Relay

Electrical Characteristics

Coil Power Rating Class	150 – 200 mW
Actuating System	AC/DC
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Contact Limiting Short-Time Current	1 A
Insulation Initial Dielectric Between Contacts and Coil	1000 Vrms
Insulation Creepage Class	1.5 – 3 mm
Insulation Initial Dielectric Between Coil/Contact Class	500 – 1000 V
Power Consumption	200 mW
Insulation Initial Resistance	1000000 MΩ
Contact Limiting Making Current	1 A
Coil Resistance	320 Ω
Contact Limiting Continuous Current	1 A
Insulation Creepage Between Contact and Coil	1.76 mm[.069 in]
Coil Type	Monostable
Contact Limiting Breaking Current	1 A



Contact Switching Load (Min)	1mA @ 1V
Contact Voltage Rating	120 VAC
Signal Relay Coil Power Rating (DC)	200 mW
Signal Relay Coil Voltage Rating	12 VDC
Signal Relay Contact Switching Voltage (Max)	120 VAC
Signal Relay Coil Magnetic System	Monostable, AC/DC

Signal Characteristics

Isolation (HF Parameter)	-20.7dB @ 900MHz, -39dB @ 100MHz
Insertion Loss (HF Parameter)	-.02dB @ 100MHz, -.27dB @ 900MHz

Body Features

Insulation Special Features	1500V Initial Surge Withstand Voltage between Contacts & Coil
Weight	3.5 g[.1235 oz]

Contact Features

Contact Plating Material	Gold
Contact Current Class	0 – 2 A
Signal Relay Terminal Type	PCB-THT
Signal Relay Contact Current Rating	1 A
Signal Relay Contact Arrangement	1 Form C (CO)
Contact Material	Nickel-Palladium Alloy
Contact Number of Poles	1

Termination Features

Termination Type	Through Hole
------------------	--------------

Mechanical Attachment

Signal Relay Mounting Type	Printed Circuit Board
----------------------------	-----------------------

Dimensions

Width Class (Mechanical)	10 – 12 mm
Width	10.4 mm[.409 in]
Height	11.2 mm[.441 in]
Length Class (Mechanical)	14 – 16 mm
Insulation Clearance Between Contact and Coil	1.5 mm[.059 in]
Height Class (Mechanical)	11 – 12 mm



Length	15.4 mm[.606 in]
Insulation Clearance Class	0 – 2.5 mm

Usage Conditions

Environmental Ambient Temperature (Max)	70 °C[158 °F]
Environmental Ambient Temperature Class	50 – 70°C
Operating Temperature Range	-30 – 70 °C

Operation/Application

Performance Type	Sensitive
------------------	-----------

Packaging Features

Packaging Method	Box & Tube, Tube
------------------	------------------

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 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°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 # 5-1419145-7
OUAZ-SS-112D,900

Also in the Series | OEG Signal PCB Relay OUAZ

Signal Relays(14)

Customers Also Bought

TE Part #1461492-5
STD OEG PCB OSA Power Relays

TE Part #1-640457-8
Polyester Right Angle PCB Header:
2.54mm, Unshrouded, MTA 100

TE Part #1-2176058-1
Thick Film Resistor: Current Sense

TE Part #1622388-1
LR1 1% 221R

TE Part #1622218-5
LR0204 1% 33K2

TE Part #1-2213819-0
6X6 ILL TACT SMT 100GF HI PURE
GREEN

TE Part #1241434-1
HIGH PIN COUNT HEADER

TE Part #927831-2
TIMER, RECEPTACLE AND TAB

TE Part #1445821-1
MINI CPC

TE Part #1102773001
FLT0111-0.25-9



Documents

Product Drawings

OUAZ-SS-112L,900

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1419131-5_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1419131-5_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1419131-5_F.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

OUAZ series Relay data sheet English

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