



+ RELAYS, CONTACTORS & SWITCHES
SIGNAL RELAYS



✓ Active

TE CONNECTIVITY (TE)
OUAZ-SH-105L,900
OEG | OUAZ

OUAZ-SH-105L,900
TE Internal Number: 4-1419145-0

- EU RoHS Compliant
- EU ELV Compliant
- Contact Voltage Rating (VAC) 120
- Contact Voltage Rating (VDC) 24
- Coil Power Rating (DC) (mW) 200

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

↓ PRODUCT DRAWING
English

↓ 3D PDF

DOCUMENTATION

Product Drawings

OUAZ-Xx-D/L ,900 CUSTOMER DRAWING
PDF
English

CAD Files

Customer View Model
3D_IGS.ZIP
English

Customer View Model
3D_STP.ZIP
English

Customer View Model

2D_DXF.ZIP

English

3D PDF

PDF

3D

Product Specifications

Product Specification

Definitions Relays

PDF

English

FEATURES



Please review product documents or [contact us](#) for the latest agency approval information.

Please Note: Use the Product Drawing for all design activity.

Product Type Features

- Product Type** Relay
- Relay Style** OUAZ Signal Relay
- Relay Type** Signal PCB Relay OUAZ

Electrical Characteristics

- Contact Switching Load (Min)** 1mA @ 1V
- Contact Limiting Breaking Current (A)** 1
- Contact Voltage Rating (VAC)** 120
- Contact Voltage Rating (VDC)** 24
- Coil Power Rating (DC) (mW)** 200
- Coil Voltage Rating (VDC)** 5
- Contact Switching Voltage (Max) (VDC)** 24
- Contact Switching Voltage (Max) (VAC)** 120
- Coil Magnetic System** Monostable, AC/DC
- Coil Type** Monostable
- Insulation Creepage Between Contact and Coil** 1.76 mm [.069 in]
- Contact Limiting Continuous Current (A)** 1
- Coil Resistance (Ω)** 55
- Contact Limiting Making Current (A)** 1
- Insulation Initial Resistance (MΩ)** 1000
- Power Consumption (mW)** 200
- Insulation Initial Dielectric Between Coil/Contact Class** 500 – 1000 V
- Insulation Creepage Class (mm)** 1.5 – 3
- Insulation Initial Dielectric Between Contacts and Coil (Vrms)** 1000
- Contact Limiting Short-Time Current (A)** 1
- Insulation Initial Dielectric Between Open Contacts (Vrms)** 500
- Actuating System** AC/DC
- Coil Power Rating Class** 150 – 200 mW

Signal Characteristics

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

Body Features

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

Contact Features

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

Termination Features

Termination Type Through Hole

Mechanical Attachment

Mounting Type Printed Circuit Board

Dimensions

Insulation Clearance Class (mm) 0 – 2.5
Length 15.4 mm [.606 in]
Height Class (Mechanical) 11 – 12 mm
Insulation Clearance Between Contact and Coil 1.5 mm [.059 in]
Length Class (Mechanical) 14 – 16 mm
Height 11.2 mm [.441 in]
Width 10.4 mm [.409 in]
Width Class (Mechanical) 10 – 12 mm

Usage Conditions

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

Operation/Application

Performance Type Sensitive

Packaging Features

Packaging Method Box & Tube, Tube

PRODUCT COMPLIANCE



Statement of Compliance

Statement of Compliance

PDF

