



Ultra-miniature PCB Telecom Relay

**YH507**



**Main Features**

- Ultra-miniature design, extremely light weight
- Contact capacity from 1mA to 1A
- PCB terminal layout meets 2.54 grid
- UL, CSA approvals
- Ideal for hand carrying equipment

**Typical Applications**

- Telecom equipment
- Computer peripherals

**Ordering Information**

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 1 2 3 4

**1. Coil Voltage Code**

Please refer to the Coil Voltage Code in Coil Data section

**4. Contact Material**

**None :** Ag  
**A:** Au plated Ag

**2. Contact Form**

**Z:** 1 Form C

**3. Version**

**1:** Sealed

**Coil Data**

Coil Voltage Code	Nominal Voltage (VDC)	Resistance (Ω) ±10%	Power Consumption	Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)
003	3	60	0.15W	2.4	0.3
005	5	167		4.0	0.5
006	6	240		4.8	0.6
009	9	540		7.2	0.9
012	12	960		9.6	1.2
024	24	3,840		19.2	2.4

**Contact Rating**

<b>Form</b>	1 Form C (Z)
<b>Rated Load</b>	0.5A, 125VAC; 1A, 24VDC
<b>Max. Continuous Current</b>	2A
<b>Max. Switching Voltage</b>	125VAC/60VDC
<b>Max. Switching Current</b>	1A
<b>Max. Switching Power</b>	62.5VA/30W
<b>Min. Load</b>	1mA, 5VDC

**UL / CSA Rating**

<b>Form</b>	1 Form C (Z)
<b>Resistive</b>	1A, 30VDC 0.3A, 60VDC
<b>General Use</b>	0.5A, 125VAC

**Contact Data**

<b>Material</b>	Ag; Au plated Ag	
<b>Initial Contact Resistance</b>	100mΩ, max. at 0.1A, 6VDC	
<b>Service Life</b>	<b>Mechanical</b>	5 x 10 <sup>6</sup> ops.
	<b>Electrical</b>	10 <sup>5</sup> ops.

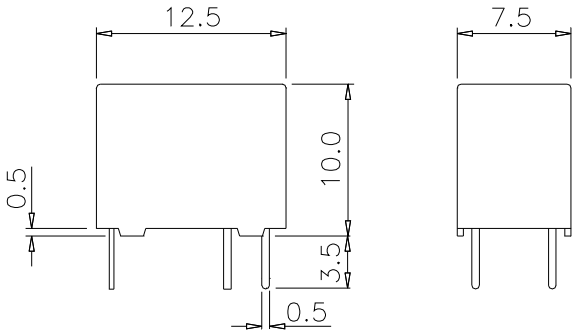
**Characteristics**

<b>Operate Time</b>	5ms. max.
<b>Release Time</b>	5ms. max.
<b>Insulation Resistance</b>	Between coil and contacts: 1,000MΩ, at 500VDC, 50%RH Between open contacts: 1,000MΩ, at 250VDC, 50%RH
<b>Dielectric Strength</b>	Between coil and contacts: 1,000Vrms, 1Min. Between open contacts: 400Vrms, 1Min.
<b>Surge Resistance</b>	1,500V (FCC Part 68 compliant)
<b>Shock Resistance</b>	Functional : 10g, 11ms.; Destructive : 100g
<b>Vibration Resistance</b>	DA 3.3mm, 10-55 Hz
<b>Power Consumption</b>	0.15W
<b>Ambient Temperature</b>	Operating and storage : -40°C to 70°C

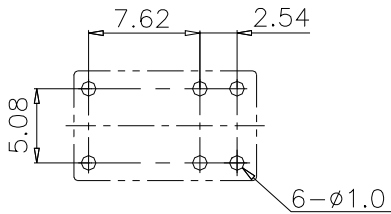
YH507



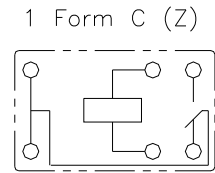
**Overall Dimensions (mm)**



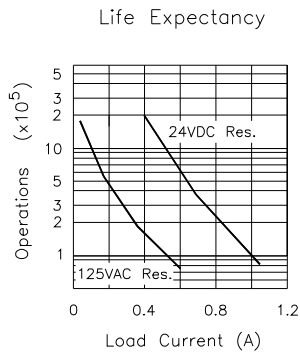
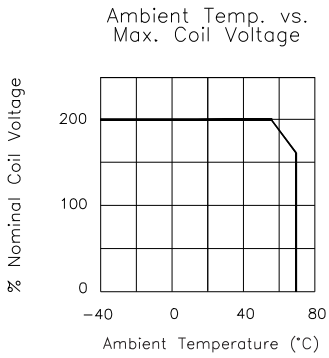
**Mounting Holes (Bottom View) (mm)**



**Wiring Diagram (Bottom View)**



**Reference Curves**



Note: 1. All parameters, unless otherwise specified, are measured at ambient temperature 23°C .