

RG 2 0 0 5 - R

Type Reed Relay

Rohs Correspondence article

1. Environmntal Specification

- a) Operating Temperature $-10 \sim +60^{\circ}\text{C}$
- b) Storage Temperature $-30 \sim +80^{\circ}\text{C}$
- c) Shock Resistance (survival) $20\text{ G } (0 \sim 2\text{ KHz, } 1.5\text{ mm})$
- d) Vibration Resistance (survival) $30\text{ G } (11\text{ msec, } 1/2\text{ sine wave})$

2. Contact Specifications

- a) Contact Form (Dry reed Switches) $2\text{ M } (2\text{ A})$
- b) Contact Rating 10 W
- c) Switching Voltage 100 VDC max.
- d) Switching Current 0.5 A max
- e) Carry Current 1.0 A max
- f) Contact Resistance (Initial) $150\text{ m}\Omega\text{ max (initial)}$

3. Coil Specifications

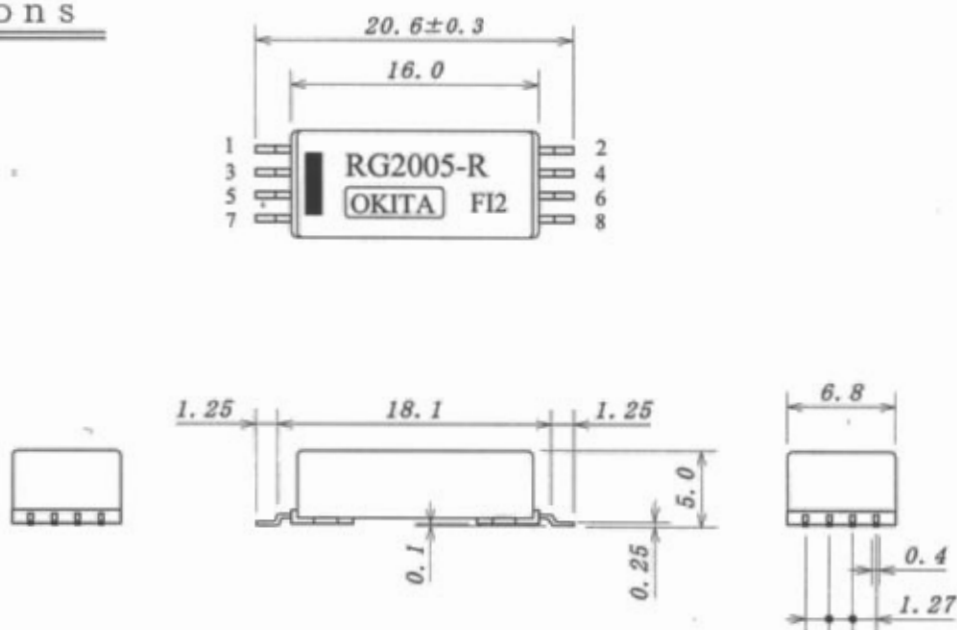
- a) Nominal Voltage $5\text{ VDC} \pm 10\%$
- b) Temperature, Operating $4.5 \sim 5.0\text{ V}$
- c) Coil Resistance $140\ \Omega \pm 10\% (\text{at } 20^{\circ}\text{C})$
- d) Nominal Current 35.8 mA
- e) Must-Operate Voltage 3.8 V
- f) Must-Release Voltage 0.8 V
- g) Operate Time (Including bounce) $0.5\text{ msec max (at Nominal Coil Voltage)}$
- h) Release Time (Diode suppression) $0.5\text{ msec max (at Nominal Coil Voltage)}$

4. Relays Specifications

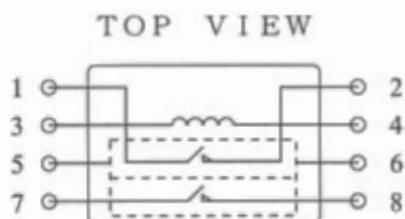
- a) Breakdown Voltage 200 VDC
Contact/Coil to Shield 200 VDC
- b) Insulation Resistance
Between all isolated pins $10^{12}\ \Omega\text{ min (at } 100\text{V DC, } 20^{\circ}\text{C, } 40\%\text{RH)}$
- c) Stray Capacitance
Open Contact (Shield guarding) $0.2\text{ pF max (at } 1\text{ MHz)}$
Contact to Coil $1.5\text{ pF max (at } 1\text{ MHz)}$
Contact to coax-Shield $40\ \mu\text{V typ.}$
- d) Electromotive Force about 1.3 gr.
- e) Weight
- f) Life Expectancy
Mechanical $3 \times 10^8\text{ operation min (No-load)}$

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勝特力電材超市-光復店 886-3-5729570
勝特力電子(上海) 86-21-34970699
勝特力電子(深圳) 86-755-83298787
<http://www.100y.com.tw>

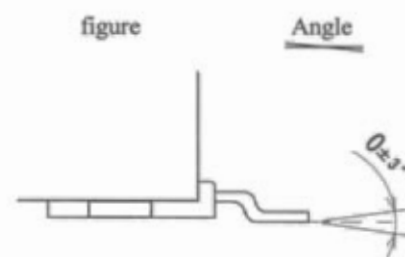
Dimensions



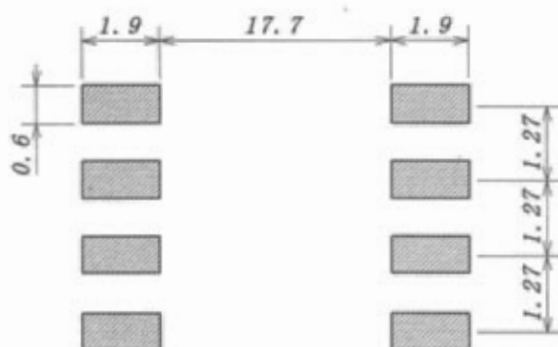
Schematic

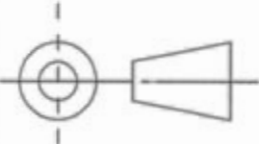


Terminal detailed



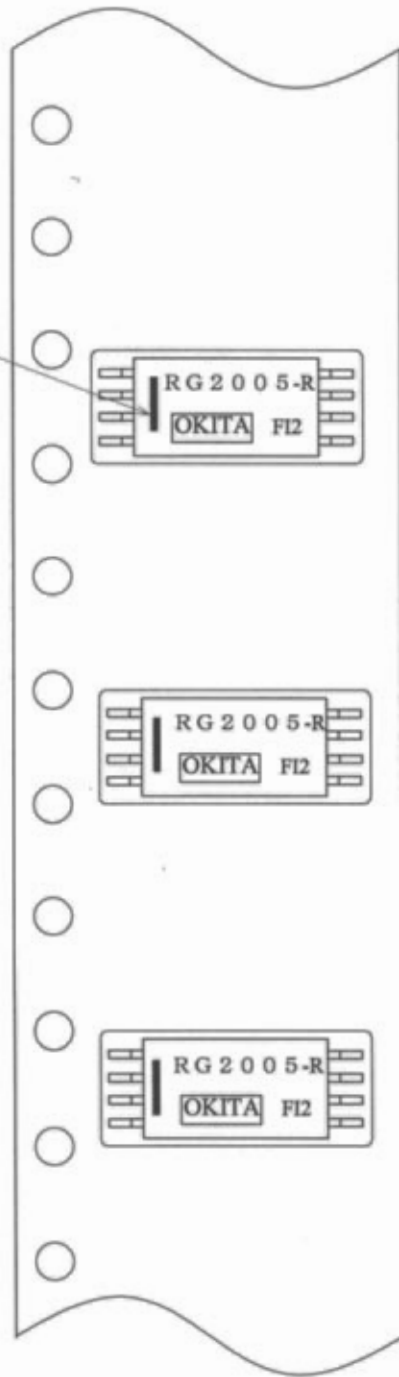
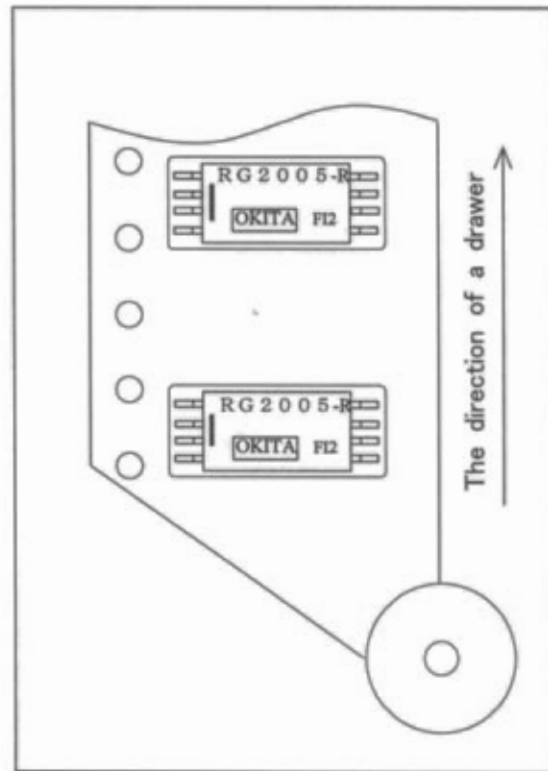
Land Pattern Recommendation



			TOLERANCE		MATERIAL	
			UNIT	mm	FINISH	
			SCALE		PART No,	
DESIGN	CHECK	APPROVAL		PART NAME	RG2005-R	
				DRAWING No,	SP-DM-01472	
				OKITA WORKS CO., LTD.		

Index Mark

The direction of a drawer



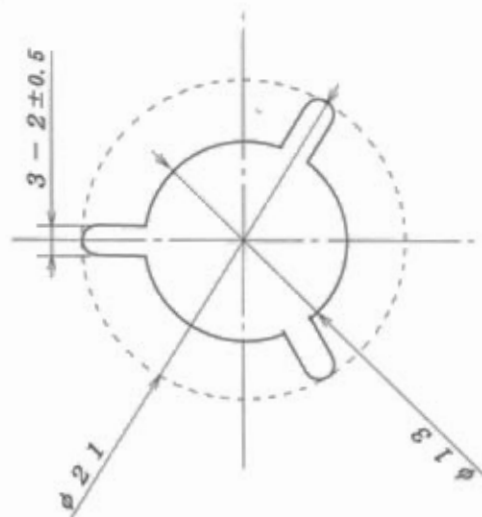
※ Please attach -T to a product end in the case of the order by taping packing.
- T is attached to taping specification and -T is not printed by the product.
The number of the minimum orders received of product 1 reel is 1000 pieces.

	TOLERANCE	MATERIAL				
	UNIT	m m	FINISH			
	SCALE		CODE No			
			NAME	R G 2 0 0 5 - R	TYPE	
			DRAW No	P S - 0 0 1 5 7		
			OKITA WORKS CO., LTD.			

Technical drawing of a mechanical part, showing a top view and a side view.

Top View: A circular part with a central hub and six radial spokes. The central hub has a dashed circle indicating a feature. The outer diameter is $\phi 330$. The inner diameter of the central hub is $\phi 80$. The central feature has a diameter of $\phi 13$ and a height of 2 ± 0.5 . The total height of the part is 33 ± 0.5 .

Side View: A cross-sectional view of the part, showing the profile of the spokes and the central hub. The dimensions are consistent with the top view.



	TOLERANCE	MATERIAL	
	UNIT	FINISH	
	SCALE	CODE No	
		NAME	R G 2 0 0 5 - R t y p e
		DRAW No	P S - 0 0 1 5 6
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