

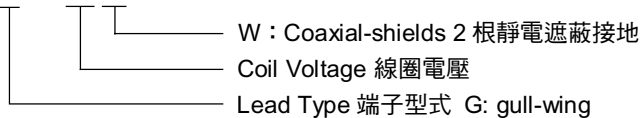
# Surface Mount Type 表面貼裝類型

## OKITA

1a 1b · Reed Relays 1a 1b · 干簧繼電器

### Part Number / Feature 品名 / 特長

#### • RG 1T 05 W



- Since it is a miniature surface type with one make-contact and one break-contact, the necessary occupancy area of a printed circuit board is small and high-density mounting is possible. It excels in high frequency characteristic, and electrostatic and magnetic shields are provided. And it is cost effective.
- 1T(1C)接點，超小體積的表面貼裝類型。印刷電路板的佔有面積小，故能高密度組裝。且擁有良好的高頻特性，另添加靜電、磁氣遮蔽接地。屬於 Low cost 類型。

### Performance 性能

Specifications 規格	Item 項目	Standard 規格
Contact Specifications 接點規格	Contact Form 接點型式	1a 1b
	Contact Rating 接點額定	10 W
	Max. Switching Voltage 最大切換電壓	DC.100V
	Max. Switching Current 最大切換電流	0.5A
	Max. Carry Current 最大通電電流	1.0A
	Contact Resistance 接點接觸阻抗	200m Ω MAX. (Initial)
Electrical Specifications 電氣規格	Breakdown Voltage 耐電壓	Between contacts DC.200V Contacts to coil DC.200V Contacts to shield DC.200V Coil to shield DC.200V
	Insulation Resistance 絕緣阻抗	Between all isolated pins 1X10 <sup>12</sup> Ω MIN.(DC.100V)
	Capacitance 靜電容量	Across Open contacts 0.2pF MAX. (Shield Guarding) Contact to shield 1.5pF MAX.
	Thermal Electromotive Force 熱起電力	40mV Typ.
	Operate Time 動作時間	(incl. bounce) 1.0mS MAX. (at Nominal Voltage)
	Release Time 釋放時間	1.0mS MAX. (at Nominal Voltage)
Mechanical Specifications 機械規格	Vibration 耐振動	20G (0~2KHz, 1.5mm)
	Shock 耐衝擊	30G (11mS, 1/2 Sin Wave)
Environmental 環境	Operating Temperature 使用周圍溫度	-10°C ~ +60°C
	Storage Temperature 保存周圍溫度	-30°C ~ +80°C
Life Expectancy 壽命	Mechanical 機械的	1X10 <sup>8</sup> MIN. Operations

### Coil Specifications 線圈規格

Part Number 品名	Nominal Voltage DC ± 10%[V] 額定電壓	Coil Resistance ± 10%[Ω] at 20°C 線圈阻抗	Nominal Current [mA] 額定電流	Must-Operate Voltage MAX.[V] at 20°C 啟動電壓
RG1T05W	5	140	35.8	3.8

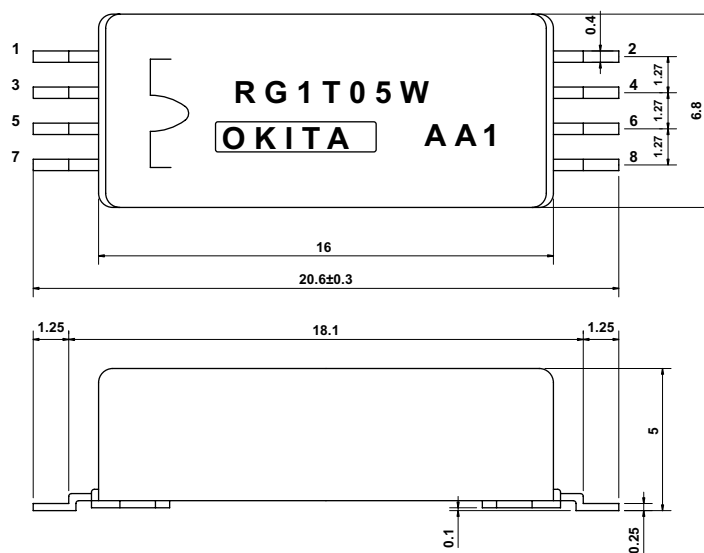
### High Frequency Characteristic (Input Output Impedance 50 Ω) 高頻特性 (輸出入電阻 50 Ω)

Contact 接點	Item 項目	Frequency 頻數			
		10MHz	50MHz	100MHz	500MHz
Form A Side: (1-2 pin)	Return Loss 反射損失	36.6dB MIN.	31.3dB MIN.	27.8dB MIN.	15.8dB MIN.
	Isolation 隔離絕緣	56.8dB MIN.	43.5dB MIN.	37.2dB MIN.	27.7dB MIN.
	Insertion Loss 插入損失	0.07dB MAX.	0.14dB MAX.	0.12dB MAX.	0.38dB MAX.
Form B Side: (7-8 pin)	Return Loss 反射損失	37.4dB MIN.	32.2dB MIN.	28.9dB MIN.	17.6dB MIN.
	Isolation 隔離絕緣	60.0dB MIN.	45.8dB MIN.	39.3dB MIN.	29.7dB MIN.
	Insertion Loss 插入損失	0.06dB MAX.	0.13dB MAX.	0.10dB MAX.	0.31dB MAX.

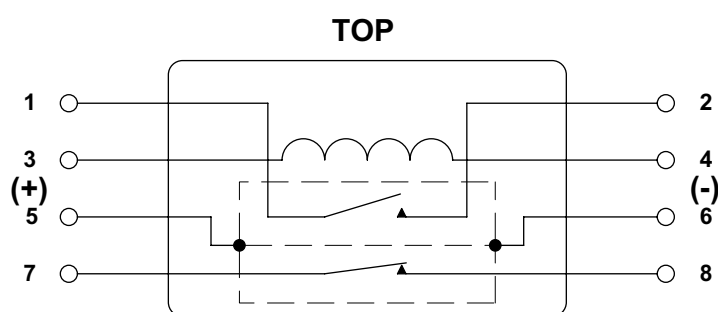
\* Insertion Loss: 0.3dB...436MHz

Dimensions / Terminal Identification (Unit:mm) 外型尺寸圖 / 結線圖 (單位:毫米)

Dimensions



Terminal Identification



- 1 - 2 : CONTACT (N.O)
- 3 - 4 : COIL (R)
- (+) (-)
- 5 - 6 : GUARD
- 7 - 8 : CONTACT (N.C)