

Ultra Small Size Surface Mount Type

(1 Form a • Dry Reed Relay)

USG1※※W

■ Parts Number • Feature

● USG1※※W

Coil Voltage

- Overall length 10mm , for high frequency.
- Electrostatic and magnetic shielding is applied.

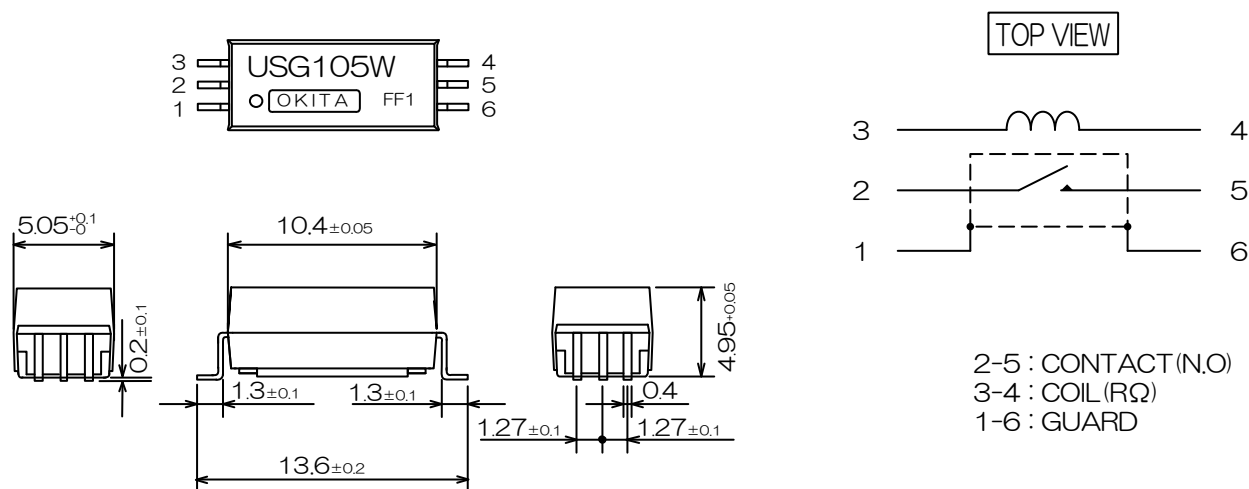
■ Performance

Specifications	Item	Standard			
Contact Specifications	Contact Form	1 Form a (Make)			
	Contact Rating	10W			
	Max. Switching Voltage	DC.100V			
	Max. Switching Current	0.5A			
	Max. Carry Current	1.0A			
	Contact Resistance	200mΩ MAX.(Initial)			
Electrical Specifications	Breakdown Voltage	Open contacts , Between each Conductors DC.250V (1 min)			
	Insulation Resistance	1×10 ¹¹ Ω MIN.(DC.100V)			
	Capacitance	Open contacts 0.15pF MAX.(Connect G terminal to earth) , Contact to shield 1.0pF MAX.			
	Thermal Electromotive Force	50μV TYP.			
	Operate Time	(include bounce) 0.4msec MAX.(at Nominal Voltage)			
	Release Time	0.1msec MAX.(at Nominal Voltage)			
Mechanical Specifications	Vibration	20G(0~2kHz,1.5mm)			
	Shock	30G(11msec,1/2 sine wave)			
Environment	Operating Temperature	-10℃~+60℃			
Life Expectancy	Mechanical	3×10 ⁸ Operations MIN.			
	Electrical	DC.5V-10mA	1×10 ⁸ Operations MIN.(R.L.)		
		Please contact us for service life data.			
High Frequency Characteristics (I/O Impedance 50Ω)	Return Loss	500MHz	20dB MIN.	1GHz	15dB MIN.
	Isolation		25dB MIN.		20dB MIN.
	Insertion Loss		0.3dB MAX.		0.5dB MAX.

■ Coil Specifications

Parts Number	Nominal Voltage DC $\pm 10\%$ [V]	Coil Resistance $\pm 10\%$ [Ω] at 20°C	Nominal Current [mA]	Must Operate Voltage MAX.[V] at 20°C
USG112W	12	500	24.0	8.4
USG105W	5	160	31.3	3.8

■ Dimensions / Terminal Identification (Unit : mm)



weight approximately 0.65 gr.