

Ultra-Small-Size Surface Mount types (1a Reed Relay)

Part number - Feature

● U1**G

Coil Voltage



● SMD type for high density mount

Performance

Specifications	Item	Standard
Contact Specifications	Contact Form	1 a (make)
	Contact Rating	10 W
	Max. Switching Voltage	DC. 100 V
	Max. Switching Current	0.5 A
	Max. Carry Current	1.0 A
	Contact Resistance	150mΩ MAX. (Initial)
Electrical Specifications	Break Voltage	Between Contact DC. 150V Contacts to coil DC. 200V Contacts to shield DC. 200V Coil to shield DC. 200V
	Insulation Resistance	Between all isolated pins 1×10^{11} MIN. (DC. 100V)
	Capacitance	Across Open contacts 0.2pF Typ. (Shield grounding) Contact and Shield 0.8pF Typ.
	Thermal Electromotive Force	40 μV Typ.
	Operate Time	(incl. bounce) 0.25mS MAX. (at Nominal Voltage)
	Release Time	0.05mS MAX. (at Nominal Voltage)
Mechanical Specifications	Vibration	20 G (0~2KHz, 1.5mm)
	Shock	30 G (11mS, 1/2 Sin Wave)
Environment	Operating Temperature	-10°C~+60°C
Life Expectancy	Mechanical	3×10^8 MIN. Operations
	Electrical	

Coil Specifications

Contact Form	Part Name	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
1a	U112G	12	500	24.0	8.5
	U105G	5	150	33.3	3.5

Dimensions/Terminal Identification (Unit:mm)

Dimensions	Terminal Identification

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