



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Miniaturized Micro 280

- SPST version only.
- 20A Continuous Contact Rating from -40°C to 100°C .
- 80A Inrush at 12VDC.
- 280 Terminal Type.
- Fully automated assembly.
- Made in Japan.

Available Types

Type	Description
G8VL-1A4T-R-L	Miniaturized Micro 280 SPST Plug In with Resistor

Contact Data

Max Switching Current	Inrush 80A, Steady 20A
Max Switching Voltage	16V
Min. Carry / Switching Current	1A
Contact Material	Silver Tin Oxide (Cadmium Free)

Coil Ratings (at 20°C)

Type	Rated Voltage	Coil Resistance $\pm 10\%$	Coil Resistance w/ $1.1\text{k}\Omega$ suppression $\pm 10\%$	Nominal Power Consumption	Pull in Voltage	Dropout Voltage
G8VL-1A4T-R-L	12VDC	$150\ \Omega$	$132\ \Omega$	1.38 W	8.0Vmax	0.7-4.0V

Typical Applications

Door Locks	Lamp
Fuel Pump	Radiator Fan
ABS	All Micro Relay Applications

Characteristics

Max. Initial Contact Voltage Drop		200mV @ 15A
NO Activation Time		10 ms max. (4.2 ms typical) @ 14 V
NO Deactivation Time		10 ms max. (2.3 ms typical*) @ 14 V
Insulation resistance		10 M Ω min (at 500 VDC)
Dielectric strength		500 VAC, for 1min between coil and contacts and between contacts.
Ambient Operating Temperature		-40°C to 100°C
Humidity		Up to 95%
Service life	Mechanical	1,000,000 operations min.
	Electrical	100,000 operations min (load dependent).
Weight		13.6g

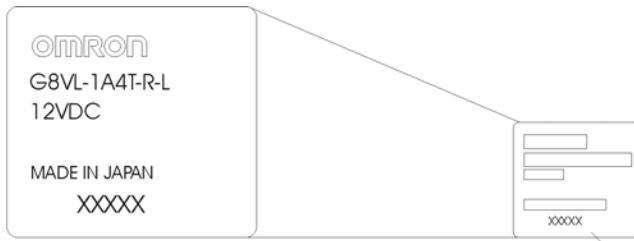
* Typical data includes coil suppression. Release times may decrease without coil suppression.

Characteristic Reference Data

Durability Data

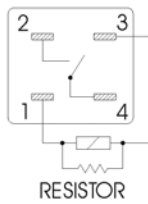
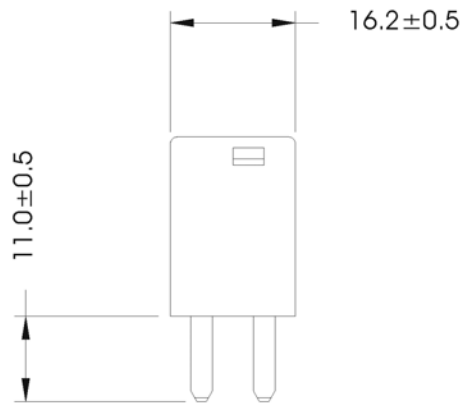
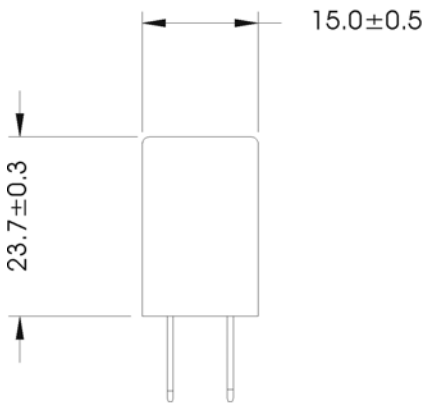
Relay	Load Type	Current	Cycles Tested
G8VL	Inductive	4 A Steady State	880,000 3s on, 3s off -30°C to 80°C
		26.1 A Inrush	160,000 1s on, 3s off -30°C to 80°C
	Motor - Fuel Pump	7.6 A Steady State	440,000 2s on, 5s off -30°C to 80°C
		71 A Inrush	100,000 3s on, 3s off 25°C to 100°C
	Motor – Radiator Fan	16 A Steady State	
		72 A Inrush	
	Lamp	16 A Steady State	

Dimensions



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DATE CODE TO APPEAR
IN THIS LOCATION



TERMINAL ARRANGEMENT
INTERNAL CONNECTIONS
(BOTTOM VIEW)

