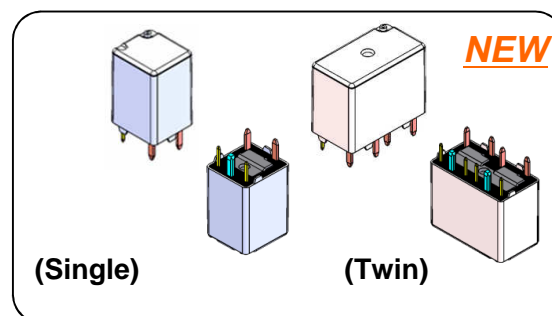


G8K

Automotive PCB relay (single) / (Twin)

- High-density design (smallest class in the industry)
- The most smallest mounting space in the industry. (make the PCB be smaller)
- The switching ability is as good as G8NB even though the size is smaller.



Purpose

DC motor control for automobile parts (Door lock motor, Power window motor, Sunroof motor, etc.)

Ratings

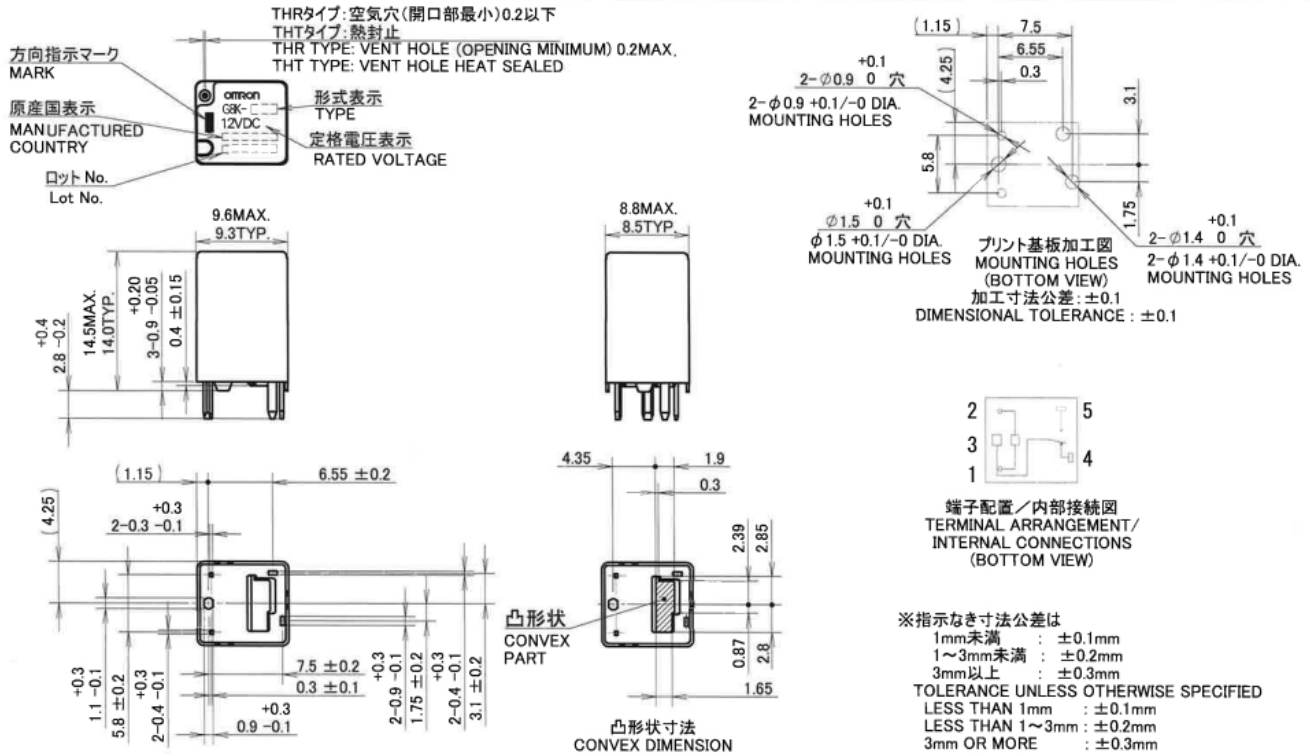
Item		Type	G8K-1		G8K-2		
Coil Rating	Rated Voltage [VDC]		12				
	Coil Resistance [Ω] (at 20°C)		120	160	120	160	
	(Power Consumption [W]) (at 12V 20°C)		(1.2)	(0.9)	(1.2)	(0.9)	
	Operating Voltage Range [VDC]		10 to 16				
	Pull-in Voltage [VDC]	(at 20°C)		6.0 MAX.	6.9 MAX.	6.0 MAX.	6.9 MAX.
		(at 85°C)		7.6 MAX.	8.7 MAX.	7.6 MAX.	8.7 MAX.
		(at 105°C)		8.1 MAX.	9.4 MAX.	8.1 MAX.	9.4 MAX.
	Drop-out Voltage	(at 20°C)		1.0 MIN.		1.0VDC MIN.	
Operating Time [sec] at 5A 16VDC	(at 85°C)		120 MAX.	120 MAX.	120 MAX.	120 MAX.	
	(at 105°C)		90 MAX.	120 MAX.	90 MAX.	120 MAX.	
17V Condition [sec]	(at 0A 105°C)		60 MAX.	120 MAX.	60 MAX.	120 MAX.	
Contact Rating	Arrangement		SPDT x 1		SPDT x 2		
	Contact Material		Silver alloy				
	Rated Load		13.5VDC 25A Motor load				
	Max Switching Current		30A				
Durability	Mechanical		1,000,000 operations				
	Electrical (Rated Load)		100,000 operations at rated load				
Mechanical	Impact Resistance	Malfunction	100m/s ²				
		Destruction	1,000m/s ²				
	Vibration Resistance	Malfunction	10 to 500Hz, 45m/s ²				
		Destruction	33Hz, 45m/s ²				
Temperature Range for Operating			-40 to 105°C				
Weight			Approx. 3g		Approx. 6g		
Size (L*W*H)			9.3*8.5*14		9.3*16.8*14		

G8K

Automotive PCB relay (single) / (Twin)

Dimension drawing

G8K-1



G8K-2

