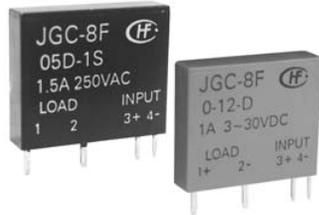


JGC-8F (Output module)

SOLID STATE RELAY



Features

- I/O modules for interface between CPU
- External input devices or loads.
- High isolation by employing photo-coupled devices (between input and output:2500V rms).
- Ultra slim and light weight:
--size:20mmx17mmx5mm
- Printed circuit board mount

OUTPUT MODULE

Item		AC Output module	DC Output module	Remarks
Nominal Voltage(DC)		3V, 5V, 12V, 24V	5V, 12V, 24V	
INPUT side	Operate Voltage Range	±20% of nominal voltage		
	Must Operate Voltage	80% of nominal voltage		
	Must Release Voltage	Minimum 1V		
	Maximum Input Current	Maximum 15mA(at 120% of Nominal Voltage)		
	Load Voltage Range	24 to 265Vrms	3 to 30Vd.c.	
	Maximum Load Current	1.0Arms	1.0A	see CHARACTERISTIC DATA
OUTPUT side	1 Cycle Surge Current	15A(60Hz)	3A(10ms)	
	Max. Off-State Leakage Current	1.5mArms	0.1mA(at 30Vd.c.)	
	Max. On-state Voltage Drop	1.2Vrms	1.2V	at max. load current
Maximum Operate Time		1ms		
Maximum Release Time		1/2 cycle+1ms	1ms	
Insulation Resistance		Minimum 1000M*(at 500Vd.c.)		for input-output
Dielectric Strength		2500Vrms 1minute		
Operating Temperature Range		-30°C to +85 °C		
Storage Temperature		-40°C to +100 °C		
Case Color		Black	Red	
Weight		3.5g max.		

ORDERING INFORMATION

output module

	JGC-8F /	O	12	D	XXX
Type					
Module Type	O : Output Module				
Nominal Voltage(input side)	03:3VAC (only AC type) 05:5VAC 12:12VAC 24:24VAC				
Output Voltage	A: AC type D: DC type				
Customer special request code					

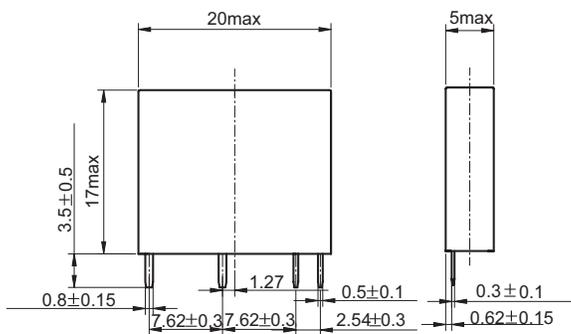
PRECAUTIONS

1. Soldering must be completed within 10 seconds at 260 °C or less or within 5 seconds at 350 °C or less.
2. To output module, the SSR case serves to dissipate heat. Install the relays so that they are adequately ventilated. If poor ventilation is unavoidable, reduce the load current by half.
3. When using the JGC-8F/O () A series for an AC load with a peak voltage of more than 450V, connect the load terminals of the relay to an inrush absorber (varistor). The recommended varistor voltage, 440 to 470V.

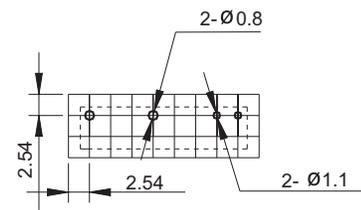
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

output module

Dimensions



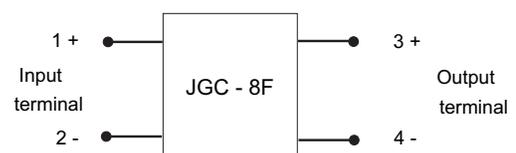
PCB mounting
hole layout
(BOTTOM VIEW)



JGC-8F/O () A type



JGC-8F/O () D type



CHARACTERISTICS CURVE

Figure 1 Maximum load current vs. ambient temperature

