

JRC-27F

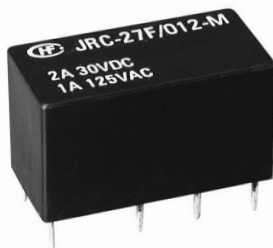
SUBMINIATURE DIP RELAY



File No.:E133481



File No.:CQC02001001938



Features

- 2 Form C contact
- High switching capacity 60W, 125VA
- Fit standard 16 pin IC socket
- Epoxy sealed for automatic-wave soldering and cleaning

CONTACT DATA

Contact Arrangement	2C
Initial Contact Resistance Max.	50mΩ
Contact Material	Silver alloy, Au Clad
Contact Rating (Res. Load)	2A,30VDC 1A ,125VAC
Max. switching power	125VA/60W
Max. switching voltage	120VDC/240VAC
Max. switching current	2A
Min. Applicable load	10mV 10μA
Mechanical life	1x10 ⁸ OPS
Electrical life	1x10 ⁸ OPS

CHARACTERISTICS

Initial Insulation Resistance	1000MΩ 500VDC	
Dielectric Strength	Between coil and Contacts	1500Vrms 1min
	Between open contacts	1000Vrms 1min
Operate time (at nomi. Volt.)	6ms max.	
Release time (at nomi. Volt.)	4ms max.	
Ambient temperature	-40°C to +85°C	
Humidity	40 to 85%R.H.	
Vibration Resistance	DA: 1.5mm 10 to 55Hz	
Shock Resistance	Functional	196m/s ² (20g)
	Destructive	980m/s ² (100g)
Max. Solder Temp. Time	270°C 5s	
Max. Solvent Temp. Time	80°C 30s	
Termination	DIP & PCB	
Unit weight	Approx. 5g	
Construction	Sealed	

COIL

Coil power	Sensitive:200mW	Standard:360mW
Temperature Rise	max. 65°C	
Coil Voltage	See coil data table	

COIL DATA

Standard (360mW) 20°C					
Order Number	Coil Voltage VDC	Pick-up Voltage VDC (Max.)	Drop-out Voltage VDC (Min.)	Coil Resistance Ω ±10%	Allow Voltage VDC (Max.)
003-M	3	2.25	0.3	30	4.5
005-M	5	3.75	0.5	90	8.0
006-M	6	4.50	0.6	130	10.0
009-M	9	6.80	0.9	280	14.5
012-M	12	9.00	1.2	450	18.5
015-M	15	11.3	1.5	625	22.0
024-M	24	18.0	2.4	1600	35.5
048-M	48	36.0	4.8	4000	56.0
Sensitive (200mW) 20°C					
Order Number	Coil Voltage VDC	Pick-up Voltage VDC (Max.)	Drop-out Voltage VDC (Min.)	Coil Resistance Ω ±10%	Allow Voltage VDC (Max.)
003-S	3	2.25	0.3	45	6
005-S	5	3.75	0.5	125	10
006-S	6	4.50	0.6	180	12
009-S	9	6.80	0.9	405	18
012-S	12	9.00	1.2	720	24
015-S	15	11.3	1.5	1125	30
024-S	24	18.0	2.4	2880	48

Note: When user's requirements can't be found in the above table, special order allowed.

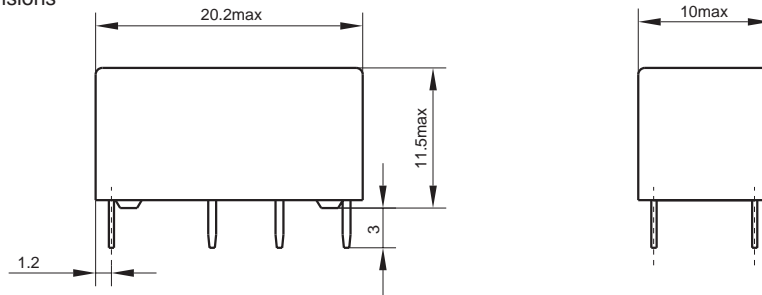


ORDERING INFORMATION

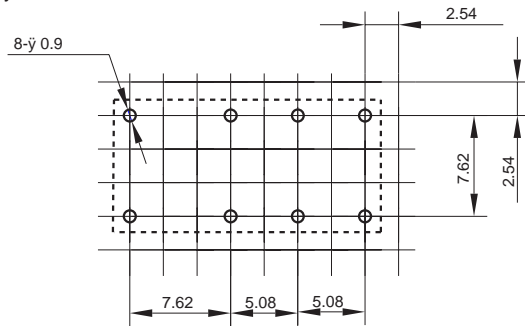
Type	JRC-27F /	012	S
Coil voltage	3, 5, 6, 9, 12, 15, 24, 48VDC(Standard only)		
Coil Power	S: Sensitive M: Standard		

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

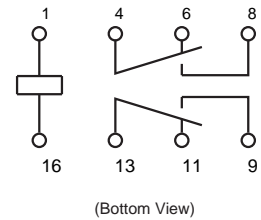
Outline Dimensions



PCB Layout

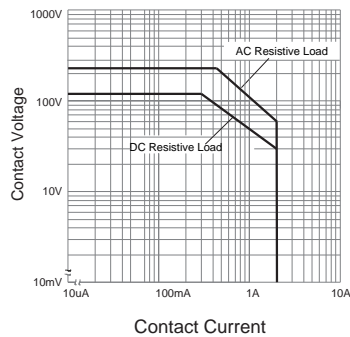


Wiring Diagram



CHARACTERISTICS CURVE

MAXIMUM SWITCHING POWER



LIFE CURVE

