

JPT-161M Radio Frequency Coaxial Relay

This product is 1/2 grid space RF transmission relay with DIP, whose dimension, mounting forms and terminals type accords with national military standard and foreign military relay standard. This product applies for the aerial fields and spaceflight as signal transmission and line switch.

Environmental conditions				
Item	Description		Specification	
1	Environmental Level		I	II
2	Environmental Temperature (°C)		-55 ~ +85	-65 ~ +125
3	Relative Humidity		95%@+40°C	
4	Low atmospheric pressure (kPa)		4	
5	Vibration	Frequency (Hz)	10 ~ 2000	
		Acceleration (m/s ²)	150	200
6	Shock	Acceleration (m/s ²)	500	750
		Pulse Lasting Time (ms)	11	6
7	Acceleration (m/s ²)		500	750
8	Random Vibration (m/s ²) ² /Hz		10	

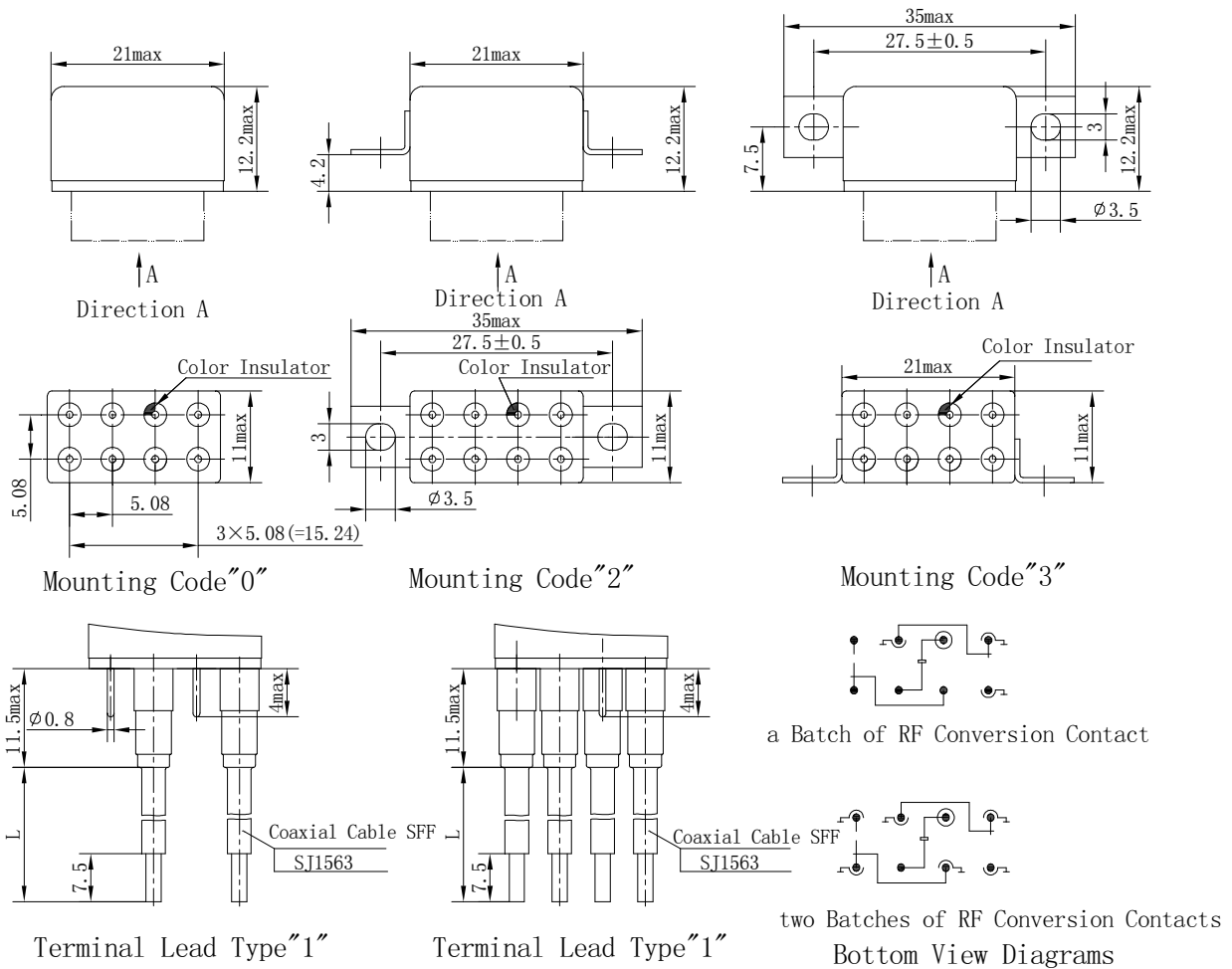
Specification				
Contact Form		2C	Operate Time (ms)	≤ 5
Coil Consumption (W)		≤ 1.04	Release Time (ms)	≤ 4
Contact Resistance (mΩ)	Before Life Test	≤ 175	Contact Rating	Resistance:2A, 28VDC
	After Life Test	≤ 250	Sealed	1Pa.cm ³ /s
Insulation Resistance (MΩ)	Normal Temperature & Humidity	≥ 1000		
	High Temperature & Humidity	≥ 100	Electrical life expectancy	1 × 10 ⁵
Dielectric Strength (Vrms@50Hz)	Normal	500	Weight (g)	≤ 34
	Reduced Pressure	200		

Radio Frequency Characteristics				
Frequency Range (MHz)	VSWR Max	Insert Waste max (db)	Isolation min (db)	Power Pass Rate (W)
0 ~ 100	1.1: 1.0	0.25	47	80
101 ~ 500	1.2: 1.0	0.50	33	50
501 ~ 1000	1.35: 1.0	0.70	27	30

Main technical data table									
Part No.	Coil Voltage		25°C				Full Temperature Range		
	Rating (VDC)	Max. (VDC)	Coil Resistance (±10%) Ω	Operate Voltage Max. (VDC)	Maintain Voltage (VDC)	Release Voltage min (VDC)	Operate Voltage max(VDC)	Maintain Voltage (VDC)	Release Voltage min (VDC)
006	6	7.5	40	3.2	2.0	0.35	4.5	2.9	0.25
012	12	15	160	6.4	4.0	0.7	9.0	5.8	0.5
027	27	32	700	13.5	8.0	1.5	18.0	14.0	1.0

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Outline and Mounting Dimensions and Wiring Diagrams



注: Note: Coaxial Cable SFF-50-1 Code "0", Length "150mm".
Coaxial Cable SFF-50-1.5-1 Code "1", Length "200mm".

Ordering Information

JPT-161M/027-2-1-0-2- II

- Environmental Ratings
- RF Contact Batch
- Coaxial Cable Code
- Terminal Lead Type
- Mounting Forms
- Specification Code
- Product Model

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