

INTRODUCTION:

Adam Tech RT2 relays are small signal level relays whose footprint matches a standard 16 pin DIP socket and are available with coil voltages from 5~48VDC. These 2 form C relays are designed for all signal applications up to 2 amps, such as security equipment, test equipment and medical equipment

FEATURES:

High sensitivity: 200 mW nominal operating power.
2 Amp switching capability
Power consumption of 200mW
High mounting density on P.C.board by small size and light weight.
Sealed construction.

SPECIFICATIONS:

ELECTRICAL:

Contact arrangement: 2 Form C
Contact material: Gold clad, Silver Alloy
Contact Rating (Resistive load): 1A @ 120V AC
2A @ 30V DC
Max. Switching Voltage: 120V AC / 30V DC
Max. Switching Power: 100VA / 60W
Contact resistance: 100 mΩ max. Initial
Insulation resistance: 100 MΩ min. @ 500V DC
Dielectric withstanding voltage:
Between Coil & Contact: 500V AC 50/60Hz for 1 min.
Between Contacts: 1000V AC 50/60Hz for 1 min.
Operating time: 6 ms max.
Release time: 4 ms max.
Electrical Life: 100,000 Operations (at rated load)

MECHANICAL:

Vibration resistance (Endurance): 1.5mm Double Amplitude 10-55Hz
Shock resistance: 10G min.
Mechanical Life: 10,000,000 Operations (no load)

TEMPERATURE RATING:

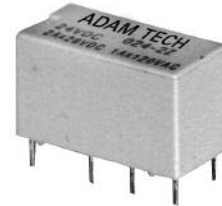
Ambient temperature: -40°C to +85°C

PACKAGING:

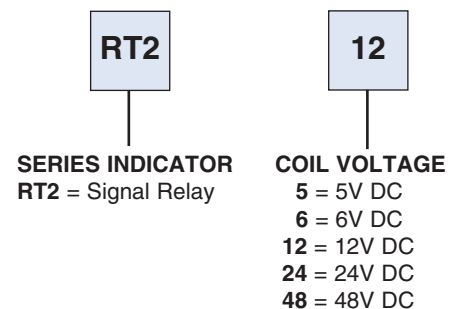
Anti-ESD plastic tubes
Tape & Reel

SAFETY AGENCY APPROVALS:

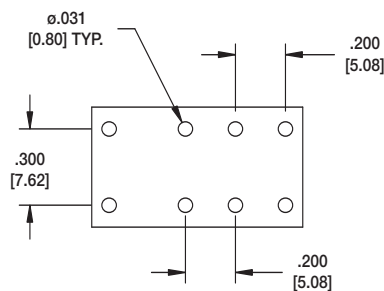
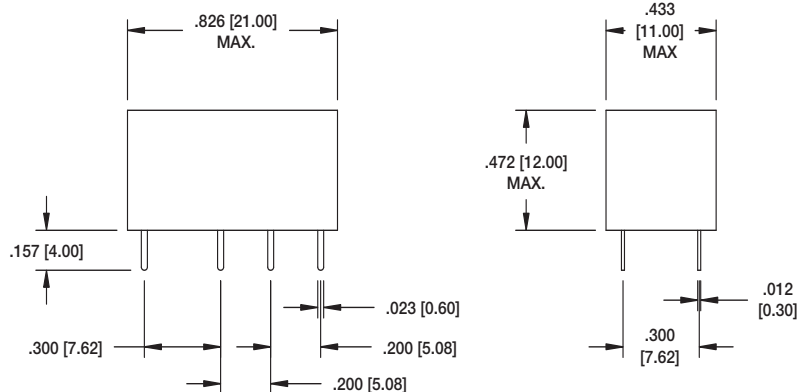
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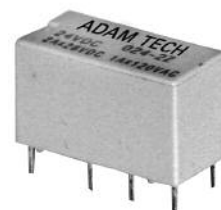
ORDERING INFORMATION SIGNAL RELAY



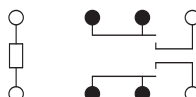
RT2 SERIES



Recommended PCB Layout



RT2-24



Schematic

Nominal Voltage V DC	Pick-up Voltage V DC (max.)	Drop-out Voltage V DC (min.)	Nominal Operating Current mA ($\pm 10\%$)	Coil Resistance ($\pm 10\%$)	Nominal Operating Power mW	Max allowable Voltage V DC
5	3.5	0.5	40	125	200	10
6	4.2	0.6	33.3	180	200	12
12	8.4	1.2	16.7	720	200	24
24	16.8	2.4	8.3	2,880	200	48
48	33.6	4.8	6.3	7,680	300	86