



Relays & Solenoids

TTI_PCB Relays

Detailed product specifications are available on: us.100y.com.tw



MAIN FEATURES

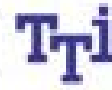
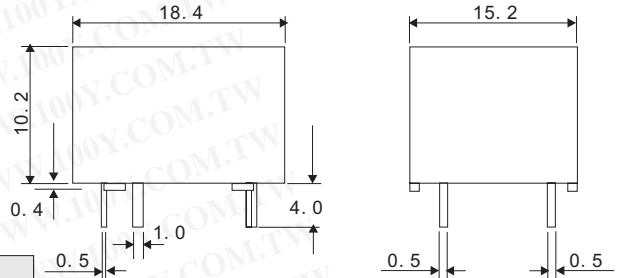
- 12A switching capabilities.
- SPST-NO configuration.
- Subminiature, standard PC layout.
- Sealed & Unsealed types available.
- UL & cUL and TUV recognized

APPLICATIONS

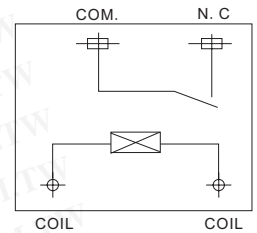
- House-hold appliances; Electronic controller equipment, etc.

PERFORMANCE (at initial value)

Item	Type	TRCF
Contact Resistance		100mΩMax. (measured at 1A 24VDC)
Operation Time		8msec Max.
Release Time		5msec Max.
Dielectric Strength Between coil & contact Between contacts		2500VAC 50/60HZ (1 minute) 1000VAC 50/60HZ (1 minute)
Surge Resistiveness		5000V
Insulation Resistance		1000 MΩ Min. (500VDC)
Operating Ambient Temperature		-40°C to +70°C
Operating Humidity		35 to 85% RH
Vibration Endurance Error Operation		10 to 55HZ Single Amplitude 1.5mm 10 to 55HZ Single Amplitude 1.5mm
Shock Resistance		100m/s ² Malfunction. 1000m/s ² Mechanical
Life Expectancy Mechanically Electrically		1x10 ⁵ OPS 1x10 ⁷ OPS
Weight		abt. 6grs.



CONTACT RATING



Item	Type	TRCF	
Contact Capacity Resistive Load (cosΨ=1)	UL	12A 125VAC	TUV
		10A 277VAC/30VDC	12A 250VAC 12A 30VDC
Rated Carrying Current		12A	
Max. Allowable Voltage		277VAC, 30VDC	
Max. Allowable Current		12A	
Max. Allowable Power Force		2770VA, 300W	
Contact Material		Ag Alloy	

Part No.	Product No.	Manufacturer	Description	Outline L*W*H	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Type
22937	TRCF-18D-FB-AD	TTI	TTI Relay	18.4*15.2*10.2mm	1 From A	12A 125VAC/30VDC	18VDC	CUL	TRCF
22938	TRCF-18D-SB-AD	TTI	TTI Relay	18.4*15.2*10.2mm	1 From A	12A 125VAC/30VDC	18VDC	CUL	TRCF

MAIN FEATURES

- Switching capacity available by 12A in spite of small size design for high density P.C. board mounting technique.
- UL/CSA recognized. TRDT (TV-5 Approval).
- Selection of plastic material for high temperature and better chemical solution performance.
- Sealed types available.
- Simple relay magnetic circuit to meet lowcost of mass production.



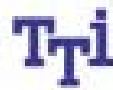
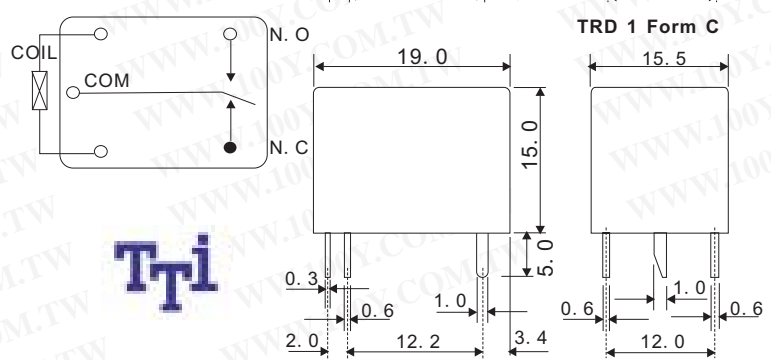
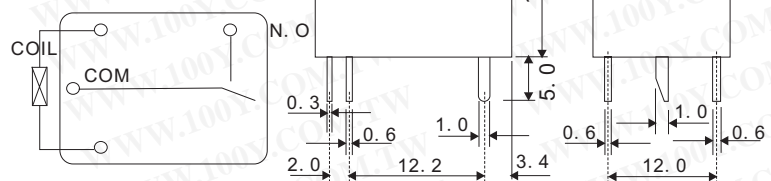
APPLICATIONS

TRD: Domestic appliance, office machine, audio, equipment, automobile, etc.

TRDT: Remote control TV receiver, monitor display, audio equipment high rushing current use application.

PERFORMANCE (at initial value)

Item	Type	TRD
Contact Resistance		100mΩ Max.
Operation Time		10msec Max.
Release Time		5msec Max.
Dielectric Strength Between coil & contact Between contacts		1000VAC 50/60HZ (1 minute) 500VAC 50/60HZ (1 minute)
Surge Resistiveness		3000V (between coil & contact 140 usec)
Insulation Resistance		100 MΩ Min. (500VDC)
Max. ON/OFF Switching Mechanically Electrically		300 operation/min 30 operation/min
Operating Ambient Temperature		-30°C to +80°C (No water condensation and no water drop)
Operating Humidity		45 to 85% RH
Coil Temperature Rise		35 deg. Max.
Vibration Endurance Error Operation		10 to 55Hz Double Amplitude 1.5mm 10 to 55Hz Double Amplitude 1.5mm



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