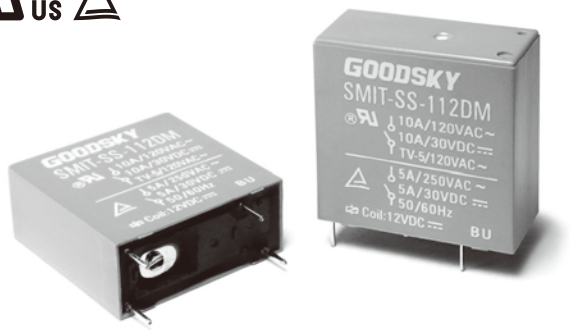


MAIN FEATURE

1. 10A slim type relay for various applications.
2. 6mm insulation distance with Surge Strength 7,000V.
3. Double Insulation construction for high reliability.
4. UL Class F insulation available.
5. TV-5 120VAC certified.
6. Halogen Free series available.
7. Comply with RoHS and REACH regulations.

CONTACT RATING

Load Type	SMIT (DMR/LMR)
Rated Load (Resistive)	10A 250 VAC
	10A 30VDC
Contact Capacity	TV-5 120VAC
Rated Carrying Current	10A
Max. Allowable Voltage	AC 250V
	DC 110V
Max. Allowable Current	10A
Max. Allowable Power Force	1250VA
	300W
Contact Material	Ag Alloy
Contact Form	SPST

APPLICATION

Industrial Control Units, Air Conditioners and Consumer Equipment use…etc.

PERFORMANCE (AT INITIAL VALUE)

- Contact Resistance ..... 100mΩ Max.@1A,6VDC
- Operate Time ..... 15 mSec. Max.
- Release Time ..... 10 mSec. Max.
- Dielectric Strength:
  Between Coil & Contact ..... 4,000VAC at 50/60 Hz for one minute
  Between Contacts ..... 900VAC at 50/60 Hz for one minute
- Surge Strength ..... 7,000 V (between Coil & Contact 1.2x50μSec.)
- Insulation Resistance ..... 100 MegaΩ Min. at 500VDC
- Max. On/Off Switching:
  Electrical ..... 6 Cycles per Minute
  Mechanical ..... 300 Cycles per Minute
- Temperature Range ..... -40～+70°C
- Humidity Range ..... 45～85% RH.
- Coil Temperature Rise ..... 40°C Max.
- Vibration:
  Destruction ..... 10 to 55 to 10 Hz,0.75 mm single amplitude (1.5mm double amplitude)
  Malfunction ..... 10 to 55 to 10 Hz,0.75 mm single amplitude (1.5mm double amplitude)
- Shock:
  Destruction ..... 1,000 m/S^2
  Malfunction ..... 100 m/S^2
- Life Expectancy:
  Mechanical ..... 10^7 Operations at no Load condition
  Electrical ..... 10^5 Operations at Rated Resistive Load
  $2.5x10^4$ Operations at TV Rated Load
- Weight ..... About 10.2 g

SAFETY STANDARD & FILE NUMBER

- UL & C-UL E141060
- TÜV R09854437
- CQC 09002037101

COIL SPECIFICATION (AT 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω±10%)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
SMIT-DMR	3	176.5	17	Abt. 0.54	80% Maximum	5% Minimum	120%
	5	106.4	47				
	6	88	68				
	9	58	155				
	12	44.4	270				
	24	21.8	1,100				
	48	11	4,400				
SMIT-LMR	3	83	36	Abt. 0.25	80% Maximum	5% Minimum	120%
	5	50	100				
	6	42	144				
	9	28	325				
	12	21	580				
	24	10.4	2,300				

ORDERING INFORMATION

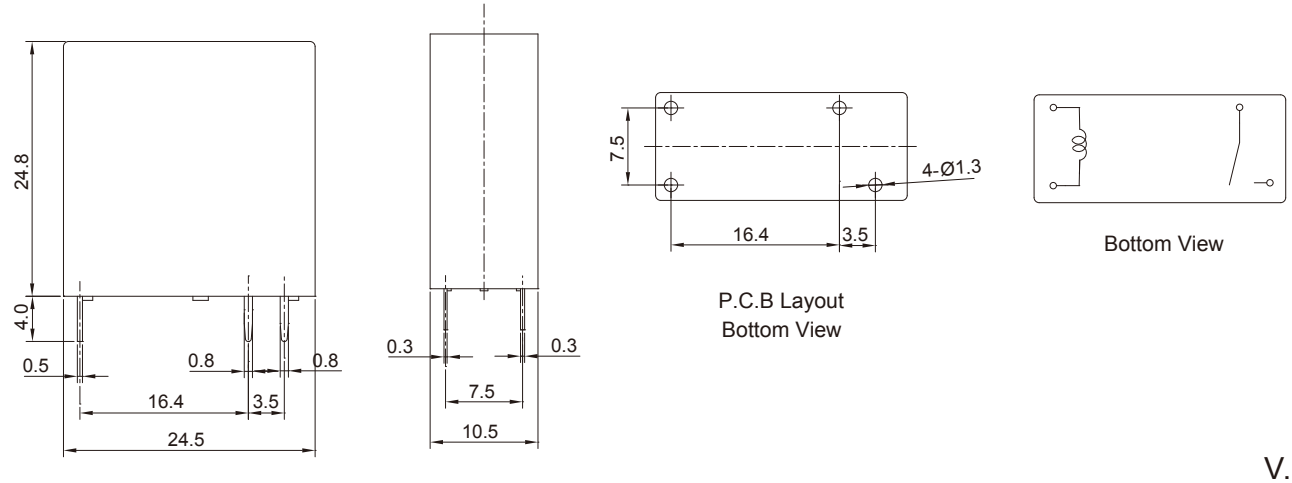
SMIT - SS - 1 12 D M R F

Insulation System:	**Nil:** Standard Class **F:** Class F
Contact Rating:	**R:** 10A/250VAC
Contact Form:	**M:** One Form A
Coil Type:	**D:** Standard DC **L:** High DC
Coil Voltage:	**03:** 3V, **05:** 5V, **06:** 6V, **09:** 9V, **12:** 12V, **24:** 24V, **48:** 48V
Number of Pole:	**1:** One Pole
Type of Sealing:	**SS:** RT II Flux Proofed **SH:** RT III Wash Tight
Type:	**SMIT**

CLASSIFICATION

Model	SMIT	
Coil Sensitivity	Standard DC	High DC
Contact Form	DMR	LMR
Flux Proofed	SMIT -SS-1□□DMR	SMIT -SS-1□□LMR
Wash Tight	SMIT -SH-1□□DMR	SMIT -SH-1□□LMR

DIMENSION (≤ 5mm ± 0.2mm, > 5mm ± 0.3mm, the tolerance of PCB thru hole: +0.1mm)



V.01EZ