RT25 Series

Wirewound Rheostat / Potentiometer

Product Features

- Rated power: 25 W at 25°C
- CCTU 05-03B (PA1)
- Vitreous enamel coating, RT type
- Material category: see material classification notes for the compliance definition.



Standard Electrical Specifications

Model	Resistance Ω	Tolerance ± %	Rated power P25°C W	Standard law (1)	Limiting element voltage V	Dielectric strength VRMS	Insulation R Ω
RT25A	1 to 5K	10	25	Linear	300	1000	10^3M (500 VCC)

(1) Sector windings available on request.

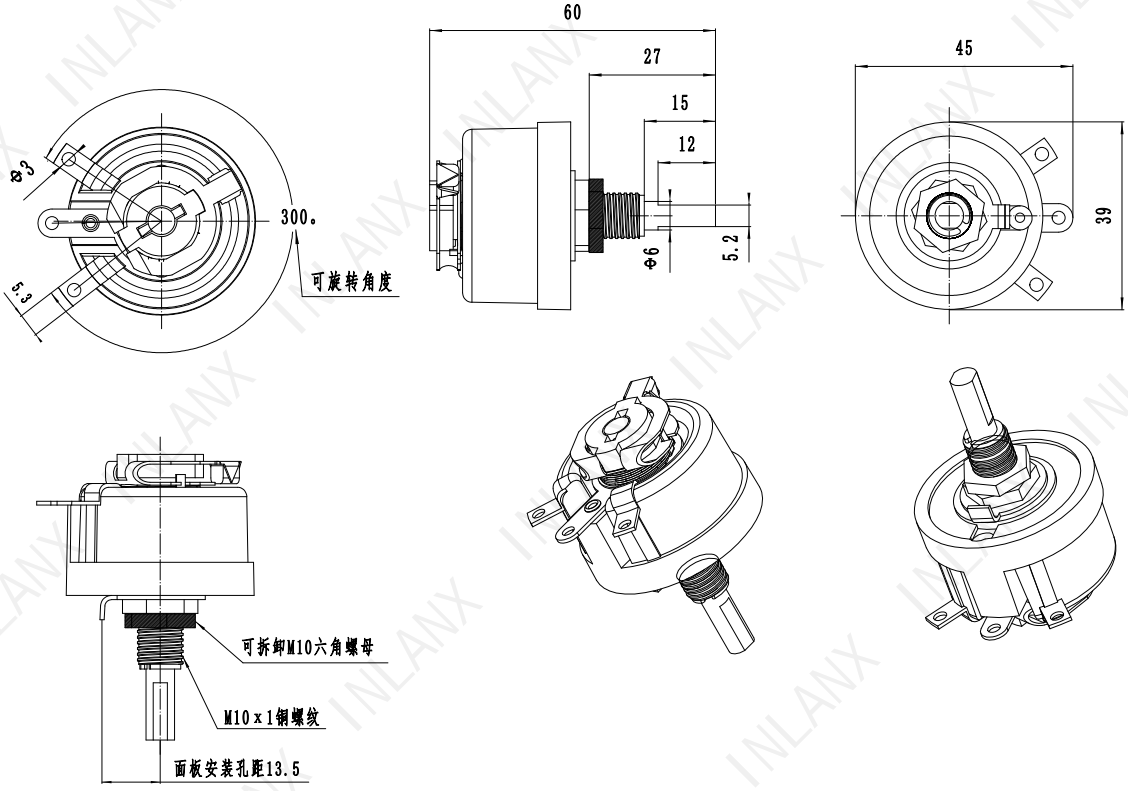
Climatic Specifications

Item	Specification
Temperature range	-55 °C; +320 °C
Climatic category	CCTU 454 CEI 55 / 200 / 56

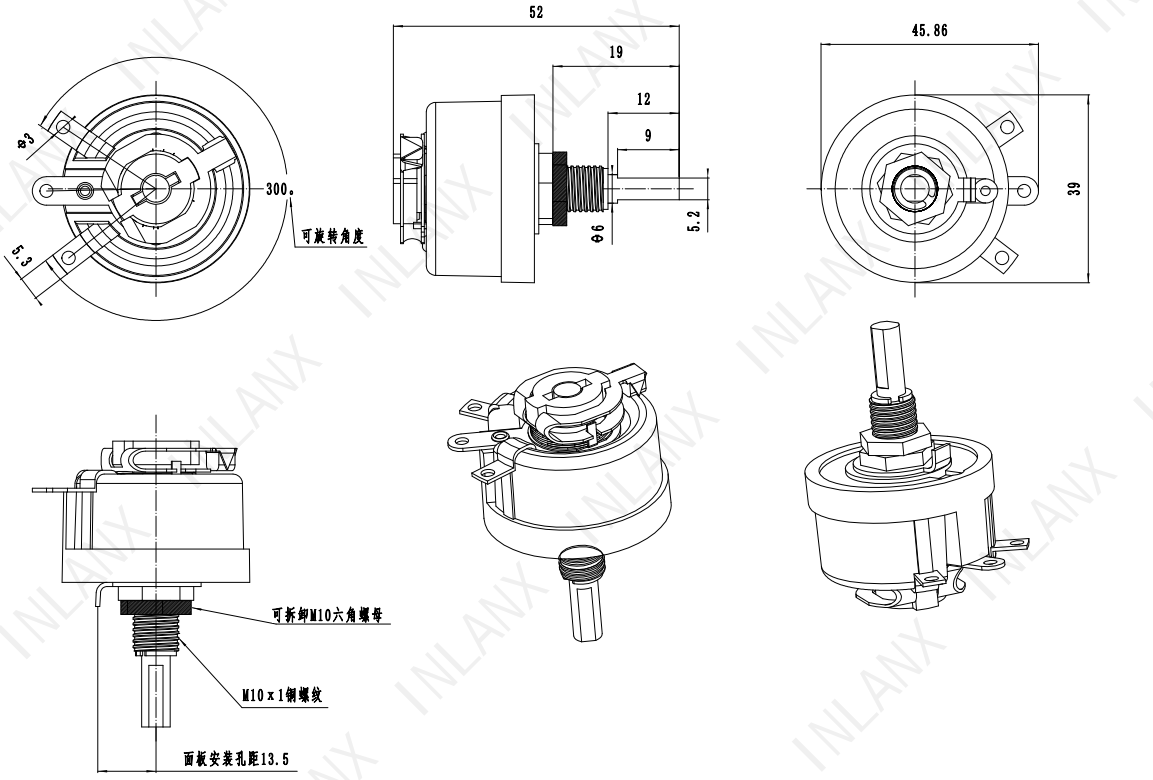
Mechanical Specifications

Item	Specification
Mechanical protection	Vitreous enamel
Mechanical rotation	300° ± 5°
Operating torque	1 Ncm to 10 Ncm
Stop torque	50 Ncm
Unit weight	80 g

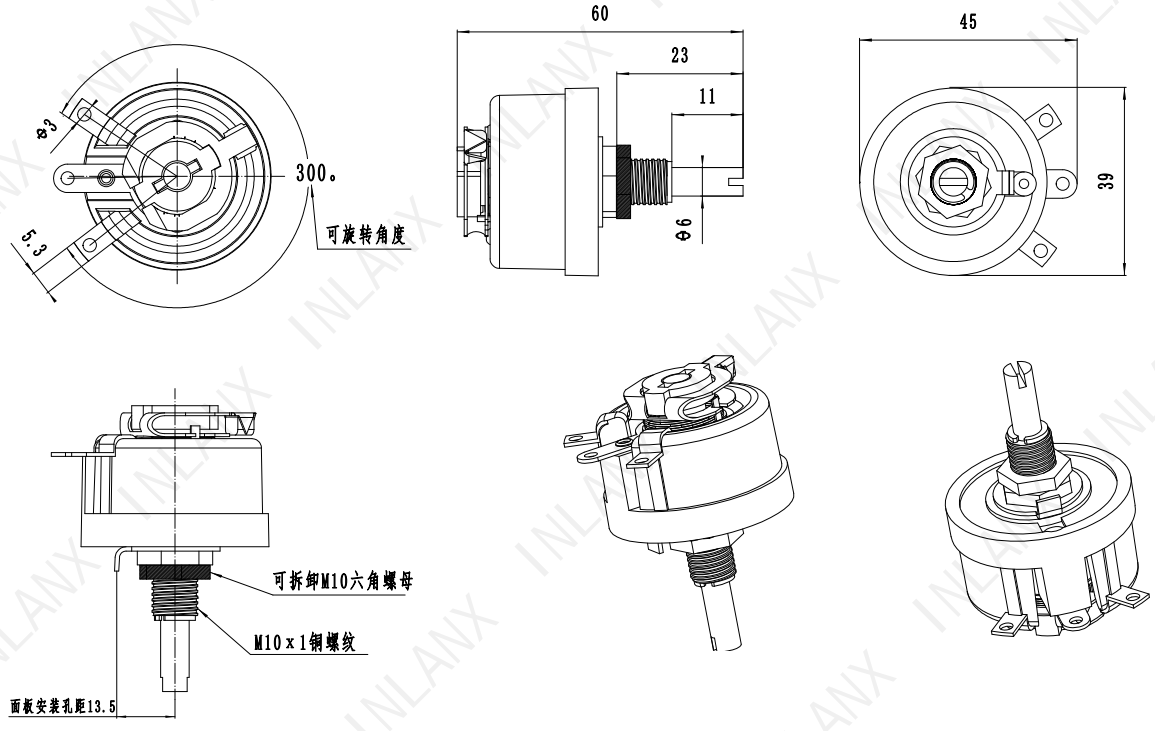
RT-25W-A | Outline and Mounting Dimensions (mm)



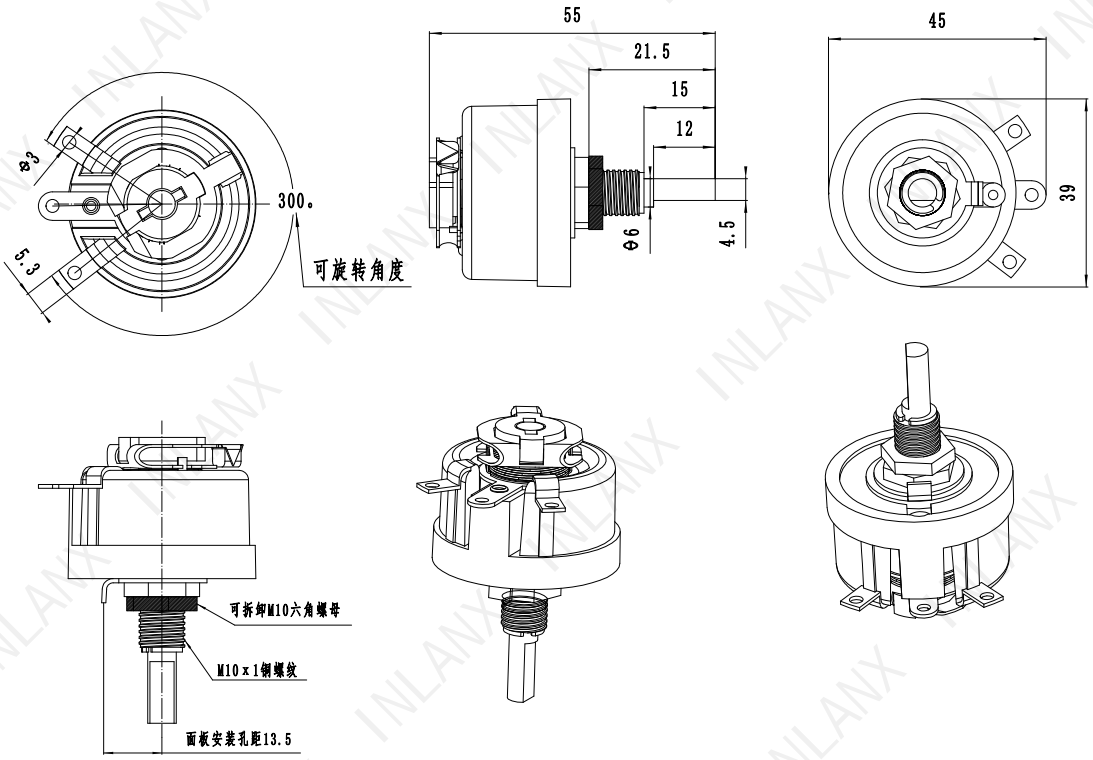
RT-25W-B | Outline and Mounting Dimensions (mm)



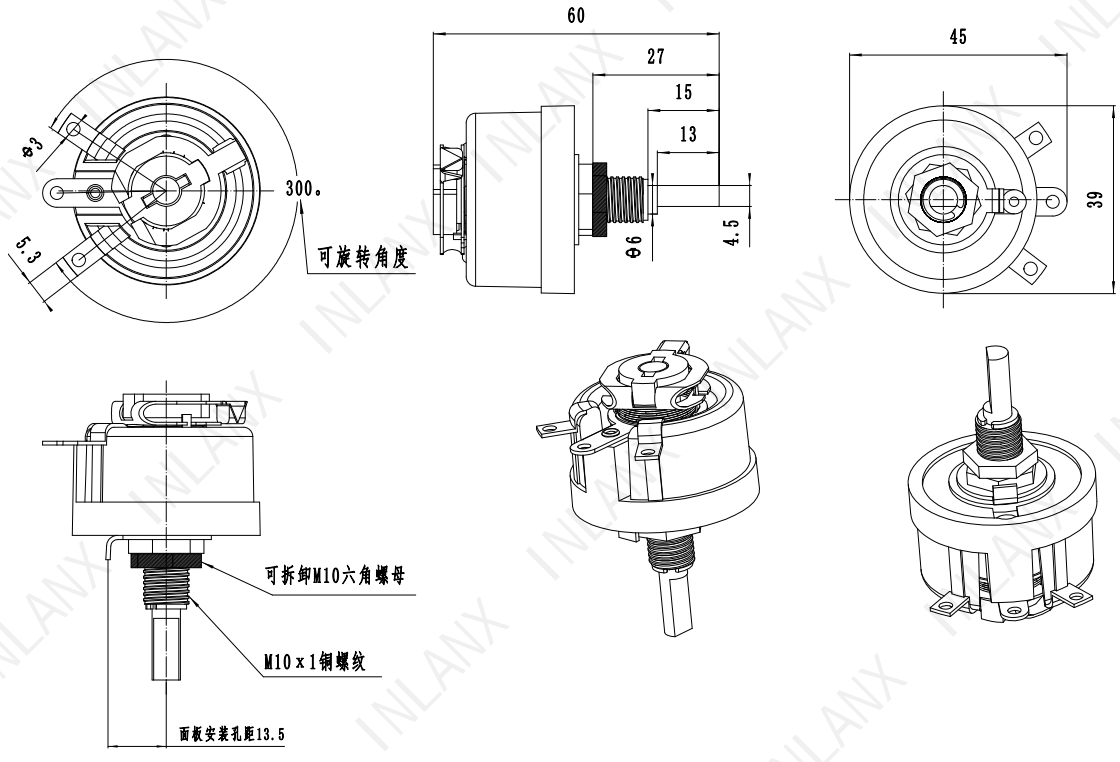
RT-25W-C | Outline and Mounting Dimensions (mm)



RT-25W-D | Outline and Mounting Dimensions (mm)



RT-25W-E | Outline and Mounting Dimensions (mm)

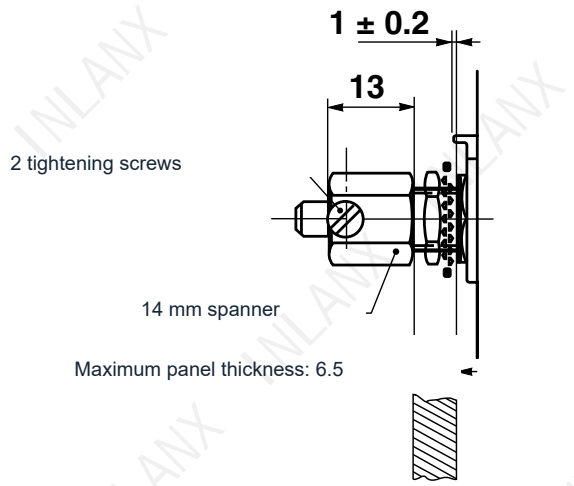


Locking Device (Optional)

Locking device available as an option.

Usable shaft length depends on panel thickness.

Ordering code: DBA6



Mounting Adapter Plate

The optional adapter plate provides two-point mounting in place of bushing mounting. Supplied with 2 mounting screws; usable shaft length is reduced by 9.5 mm.

Shaft Specifications

Diameter mm	Distance from mounting plate mm	Screwdriver slot	Code
6	22	Yes	ASF
	25	No	AM
		Yes	AMF
	50	No	AL
6	22	No	AS

Note: For special requirements such as shaft flats, provide detailed drawings.

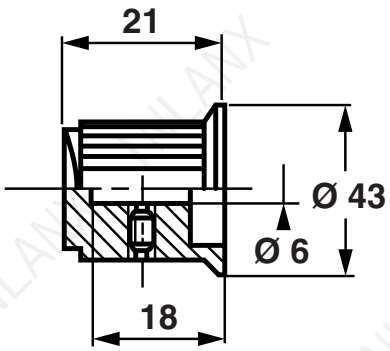
Electrical Characteristics

Nominal R Ω	Max. operating voltage V	Max. wiper current mA
1	5	5000
1.5	6.12	4080
2.2	7.42	3370
3.3	9.08	2750
4.7	10.8	2300
6.8	13	1920
10	15.8	1580
15	19.4	1290
22	23.5	1070
33	28.7	870
47	34.3	730
68	41.2	605
100	50	500
150	61.2	408
220	74.2	337
330	90.8	275
470	108	230
680	130	192
1K	158	158
1.5K	194	129
2.2K	235	107
3.3K	287	87
4.7K	343	73

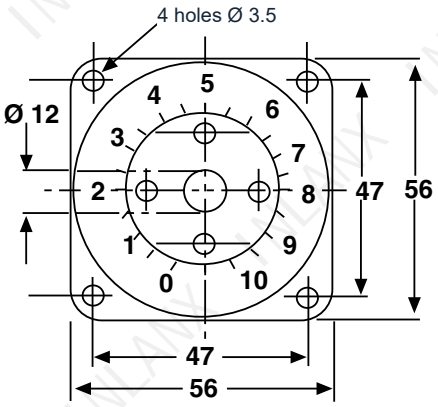
Product Marking

INLANX trademark, series, type, rated power (W), resistance (Ω or kΩ), tolerance (%), maximum current (A) and date of manufacture.

Operating Knob 29JF (Optional)



Dial CG57 (Optional)



Ordering Information

Model	Type	Shaft	Resistance	Tolerance	Packaging	Special design
RT25A	025	ASF	2201	K	B	XXX

Complete Part Number Information

Example: RT25A 025 AS 10R0 K B

Field	Code and description
Model	RT25A
Size	025
Locking device (optional)	D
Winding (optional)	BXXX or BXXXX, as applicable. xxx(x) is an internal number.
Operating shaft	AS = standard (diameter: 6 mm); AM, AMF, AL, ASF
Resistance	The first 3 digits are significant; the last digit gives the number of following zeros. R is the decimal point. 2002 = 20 kΩ; 4700 = 470 Ω; 10R0 = 10 Ω; 0R01 = 0.01 Ω
Tolerance	J = 5 %; K = 10 %
Packaging	B = bulk; BO10. Non-standard packaging: N = bulk, any quantity.
Special requirements	As applicable; for example: DXxx

Related Documents

Application notes: Potentiometers and Trimmers; INLANX Resistor and Inductor User Guide.