

S300 SERIES
NTC THERMISTOR
(Negative Temperature Coefficient)



ADVANCE THERMO TECHNOLOGY CO., LTD.

PRODUCT DATA SHEET



S300 SERIES

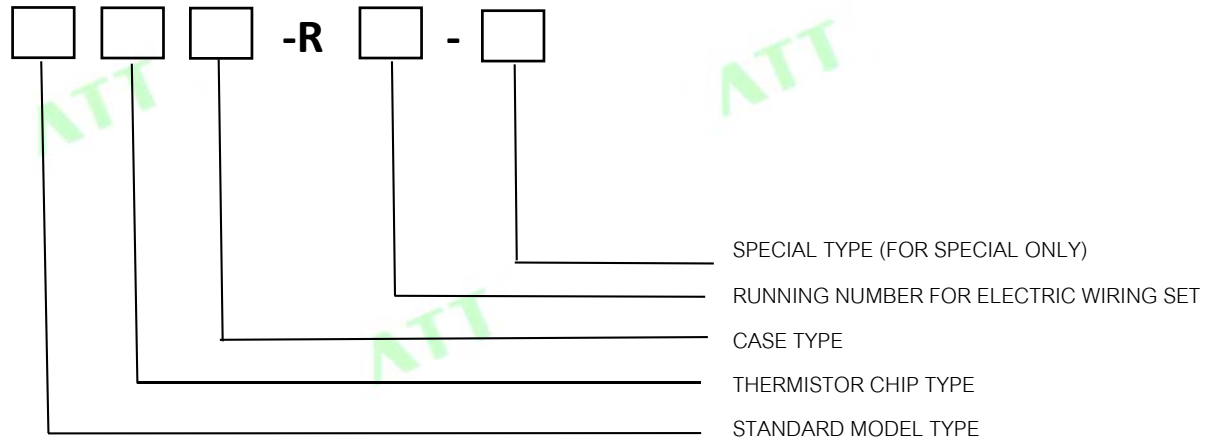
NTC THERMISTER (NEGATIVE COEFFICIENT)

SPECIFICATION:

NTC THERMISTOR (NEGATIVE THERMAL COEFFICIENT)	
APPLICATION	WATER HEATER , REFRIGERATOR, AIR CONDITIONER, ELECTRIC POT
RESISTANCE VALUE / B CONSTANT	A) $R(0) = 6.4 \text{ K}\Omega \pm 1.5\%$, B VALUE (0/-18) = 3814K $\pm 2\%$ (DIODE) B) $R(-20) = 19.3 \text{ K}\Omega \pm 2\%$, B VALUE (25/50) = 3850K $\pm 1.5\%$ (DIODE) C) $R(3) = 5.6 \text{ K}\Omega \pm 2.5\%$, B VALUE (3/50) = 3850K $\pm 1.5\%$ (DIODE) D) $R(25) = 10 \text{ K}\Omega \pm 2\%$, B VALUE (25/50) = 3950K $\pm 2\%$ (EPOXY CHIP) E) $R(10) = 3.89 \text{ K}\Omega \pm 2\%$, B VALUE (-20/10) = 3819K $\pm 2\%$ (EPOXY CHIP) F) $R(25) = 10 \text{ K}\Omega \pm 1\%$, B VALUE (25/85) = 3435K $\pm 1\%$ (EPOXY CHIP) G) $R(25) = 6.8 \text{ K}\Omega \pm 1\%$, B(25/85) = 3950K $\pm 1\%$ (EPOXY CHIP) H) $R(25) = 10 \text{ K}\Omega \pm 1\%$, B VALUE (25/85) = 3435K $\pm 1\%$ (EPOXY CHIP) I) $R(25) = 40 \text{ K}\Omega \pm 3\%$, B VALUE (25/50) = 3530K $\pm 2\%$ (GLASS CHIP) E) $R(25) = 10 \text{ K}\Omega \pm 2\%$, B VALUE (25/85) = 3480K $\pm 1\%$ (GLASS CHIP)
THERMAL TIME CONSTANT (IN STILL OIL)	(A,B,C,D,E,F,G,H) = LESS THAN 20 SEC (I,E) = LESS THAN 3 SEC
INSULATION RESISTANCE	100 M Ω or MORE (WITH 500 VDC MEGGER)
DIELECTRIC STRENGTH	1500 VAC / MINUTE OR 1800 VAC / SEC.
HEAT DURABILITY	80 °C OR MORE (FOR ABS BODY) 105 °C OR MORE (FOR SUS BODY)
STANDARD COMPLIANTS	
ADDITIONAL COMPLIANTS NEEDS	AVAILABLE UPON REQUEST.

* ALTERNATING CONSTRUCTION IS ALSO AVAILABLE (PLEASE CONTACT US)

MODEL CODE:



STANDARD MODEL TYPE

S301: THERMISTOR (EPOXY COATING TYPE)

S302: THERMISTOR (POTTING)

THERMISTOR CHIP TYPE

EP : EPOXY COATING TYPE

GL : GLASS ENDCAPSULATED TYPE

DI : DIODE TYPE

CASE TYPE

B00 : WITHOUT BODY

B01 : SUS 316L Ø3.9 * 23L ,TUBE END Ø2.1

B02 : ABS BODY Ø7 *25L

B03 : ABS BODY Ø6 *25L

B04 : COPPER TUBE BODY Ø 6 *L30

RUNNING NUMBER FOR ELECTRIC WIRING SET

R001 : PVC FLATE WIRE 105 °C 12/0.18 mm² (L225)

R002 : PVC FLATE WIRE 105 °C 12/0.18 mm² (L320)

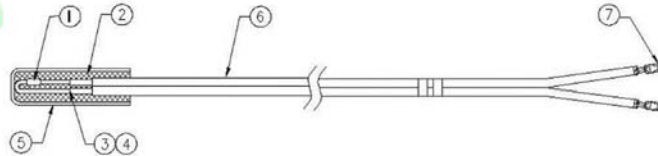
R023 : PVC FLATE WIRE 105 °C 7/0.16 mm² (L115)

R0xx : DEPEND ON CUSTOMER'S SPECIFICATION

SPECIAL TYPE (FOR SPECIAL ONLY)

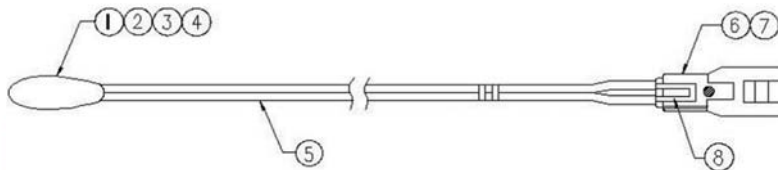
XX :XX

STRUCTURES 2 MAIN TYPE OF THERMISTOR:



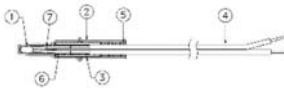
OPERATING TEMPERATURE : -50~+105°C
MAXIMUM OPERATING : 105°C

(1) POTTING TYPE-THERMISTOR

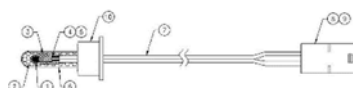


(2) DIPPED TYPE-THERMISTOR

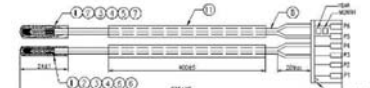
APPLICATION FIELDS:



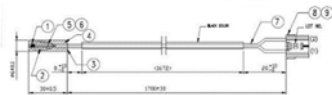
FOR WATER HEATER



FOR DISH WASHER



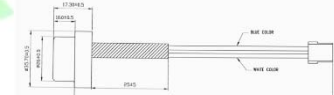
FOR A/C



FOR WASHER & DRYER



FOR MICROWAVE



FOR RICE COOKER



**PLANT
& FACILITY**



MACHINERY



OIL & GAS



AUTOMOTIVE



PETROCHEMICAL



**HOME
APPLIANCES**



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