

ULTRA HIGH PRECISION RESISTOR-MOULD TYPE 超高精密塑封型電阻
ULTRA LOW TCR RESISTOR-MOULD TYPE 超低温度系数塑封型電阻

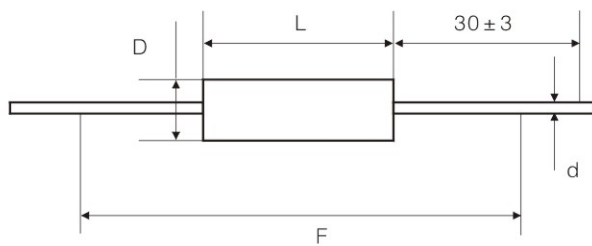


ULT
UHP

50
100
300
400
500
1000

Features 特性: High stability 高穩定性
 High reliability 高可靠性
 Moisture Proof 高防潮性
 High accuracy 高準確度

DIMENSIONS 尺寸



F: Measuring distance on the V-block

Unit: mm

TYPE	MEASUREMENT 外型尺寸			
	L ± 0.25	D ± 0.25	d	F
UHP/ULT 50	7.0	Φ 3.0	Φ 0.8	27.0
100	11.0	Φ 3.0	Φ 0.8	31.0
300	15.0	Φ 5.2	Φ 0.8	34.0
400	18.0	Φ 6.5	Φ 0.8	38.0
500	24.0	Φ 8.4	Φ 1.0	44.0
1000	46.5	Φ 10.0	Φ 1.0	66.0

VALUE RANGE 阻值範圍

ULTRA LOW TCR 超低温度系数

TYPE 型號	RATED POWER(W) AMBIENT TEMPERATURE-25°C 額定功率	VALUE RANGE 阻值範圍	
		(Min) 最小值	(Max) 最大值
ULT50	0.5W	R01	R1
ULT100	1.0W	R005	R2
ULT300	3.0W	R005	R2
ULT400	4.0W	R005	R5
ULT500	5.0W	R005	1R
ULT1000	10.0W	R01	1R

ULTRA HIGH PRECISION 超高精密

TYPE 型號	RATED POWER(W) AMBIENT TEMPERATURE-25°C 額定功率	VALUE RANGE 阻值範圍	
		(Min) 最小值	(Max) 最大值
UHP50	0.5W	R1	100R
UHP100	1.0W	R1	1K
UHP300	3.0W	R1	10K
UHP400	4.0W	R1	15K
UHP500	5.0W	1R	24K
UHP1000	10.0W	1R	39K

ELECTRICAL CHARACTERISTICS 電器特性

TEST ITEM 檢驗項目	ULTRA LOW TCR - SPECIFICATIONS 超低温度系数 - 特性要求	ULTRA HIGH PRECISION - SPECIFICATIONS 超高精密 - 特性要求
TOLERANCE 誤差	± 1%(F) ± 2%(G) ± 5%(J)	± 0.1%(B) ± 0.25%(C) ± 0.5%(D) ± 1%(F) ± 2%(G)
TEMPERATURE COEFFICIENT 溫度系数	20 50 150PPM	
INSULATION VOLTAGE 絕緣電壓	500V, ΔR ≤ ± 0.1%R	500V, ΔR ≤ 0.1%R
INSULATION RESISTANCE 絕緣電阻	> 1GΩ	> 1GΩ
TEMPERATURE RANGE 溫度範圍	-55°C~175°C	-55°C~175°C
DERATING 降功耗	When ambient temperature rises from 25°C to 175°C, the power rating derates from 100% to 0% 當環境溫度由25°C升至175°C時，電阻器允許負荷由額定功率的100%降至0%	
LOAD LIFE P70, 70°C, 1000HRS 長期試驗	ΔR ≤ 1%R	ΔR ≤ 1%R
(DAMP / HEAT AT STEADY STATE)40°C, 93%, r, h, 21d 穩態濕熱	ΔR ≤ 0.2%R	ΔR ≤ 0.2%R
TERMINAL TENSILE STRENGTH 引出端強度	ΔR ≤ 0.1%R	ΔR ≤ 0.1%R
RESISTANCE TO SOLDER HEAT, 350°C, 3.5S 耐焊接熱	ΔR ≤ 0.1%R	ΔR ≤ 0.1%R
SOLDERABILITY 焊錫性	IEC68-2-20(1968) solder bath method, 235°C 20s5S(槽焊法)	IEC68-2-20(1968) solder bath method, 235°C 20s5S(槽焊法)