

不燃性巻線固定抵抗器
Non Flammable Wire-Wound Fixed Resistor

KNT series

- KNP 1~3W 自挿機対応
テーピング品
- RoHS対応品
- KNP 1~3W Taping type
Suitable for automatic inserting machine
- RoHS complied



■電氣的、機械的特性 Electrical and mechanical characteristics

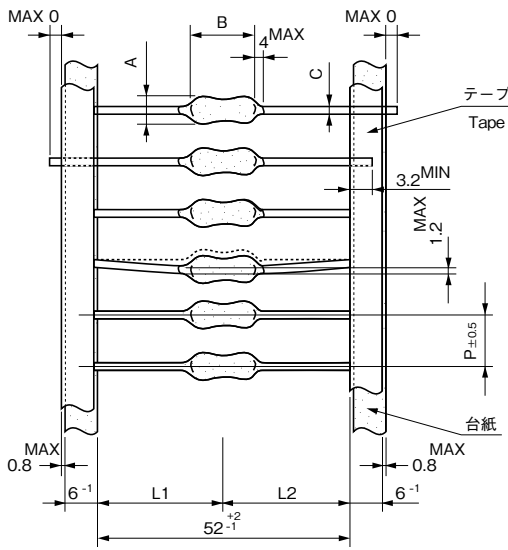
特性 Characteristics	規格値 Standards	試験方法 Test methods
抵抗値と抵抗値許容差 Resistance and Resistance tolerance	公称抵抗値 Resistance nominal 抵抗値許容差 Resistance tolerance 1Ω≤ ±5% (J) 1Ω> ±10% (K)	
抵抗温度特性 Temperature coefficient	20Ω≤ ±260ppm/°C max. 20Ω> ±400ppm/°C max.	
定格負荷 Power rating load	△R/R≤± (1%+0.05Ω) 表面温度上昇 (temperature) 350°C max.	
短時間過負荷 Short-time overload	アーク焼損等の異常なきこと no evidence of arc damage etc. △R/R≤± (2%+0.05Ω)	定格電力×10倍 5秒間負荷 1000% rated power 5 seconds
絶縁抵抗 Insulation resistance	20MΩ min.	DC500V
耐電圧 Dielectric withstanding voltage	機械的損傷及び絶縁破壊なきこと no evidence of mechanical damage or insulation breakdown △R/R≤± (0.1%+0.05Ω)	AC800V 1 minute
端子強度 Terminal strength	機械的損傷なきこと no evidence of mechanical damage	引張り(Pull) 9.8N 30±5 seconds
耐振性 Vibration	機械的損傷なきこと no evidence of mechanical damage	X, Y 各 2 hours each
半田耐熱 Soldering heat	機械的損傷、外観劣化なきこと no evidence of mechanical damage △R/R≤± (1%+0.05Ω)	350°C 3 seconds
半田付け性 Solderability	75%以上新しい半田で覆われること 75% coverage min. with new solder	250°C 3 seconds

■耐候的特性 Environmental characteristics

特性 Characteristics	規格値 Standards	試験方法 Test methods
耐熱性 Heat resistance	標印、絶縁被覆に著しい損傷なきこと no deterioration of protective coatings or markings	350±5°C 2 hours
熱衝撃 Thermal shock	機械的損傷なきこと no evidence of mechanical damage △R/R≤± (2%+0.05Ω)	定格負荷30分間 → -40°C 15分間 power rating load → -40°C 15 minutes
耐湿性(定常状態) Humidity (Steady state)	標印、絶縁被覆に異常なきこと no deterioration of protective coatings or markings △R/R≤± (3%+0.05Ω)	成極DC100V 40°C 95%RH 500 hours
耐久性(耐湿負荷) Durability (Moisture resistance)	標印、絶縁被覆に異常なきこと no deterioration of protective coatings or markings △R/R≤± (3%+0.05Ω)	10%負荷 rated power load 90 minutes ON 30 minutes OFF 40°C 95%RH 1000 hours
耐久性(定格負荷) Durability (Nominal load)	標印、絶縁被覆に異常なきこと no deterioration of protective coatings or markings △R/R≤± (5%+0.05Ω)	100%負荷 rated power load 90 minutes ON 30 minutes OFF 70°C 1000 hours
難燃性(過負荷) Flame resistance (Over load)	燃焼しないこと no evidence of flaming or arcing	定格電力の1~16倍 100~1600% rated power load

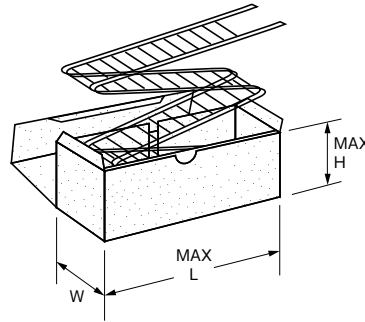
■規格 Standards

●形状・寸法 Configuration (mm)



形状 Type	定格電力 (W) Power Rating	寸法 Dimensions (mm)				抵抗値範囲 (Ω) Resistance Range
		A	B	C	D	
1W	1	2.5	7	0.6	5.0	0.1 ~ 47
2W	2	3.5	12	0.6	5.0	0.1 ~ 120
3W	3	5.0	13	0.8	10.0	0.1 ~ 150

1. $L1 - L2 \leq 1.0$
2. 累積ピッチの集積誤差20ピッチで±2mm
accumulated pitch tolerance for 20 pitch ±2mm
3. EIAJ規格RC1008Aに準拠 EIAJ standard RC1008A applicable
4. 包装仕様 packing



形状 Shape	寸法 Dimensions (mm)		
	W	L	H
KNT 1W	76	255	77
2W, 3W	70	255	125

■標準抵抗値 (Ω)

Standard resistance values JIS-E24 series

抵抗値許容差

Resistance tolerance

$R \geq 1\Omega \dots \pm 5\%$ (J)

$R < 1\Omega \dots \pm 10\%$ (K)

■受注生産品 Products by order

■最低ロット

minimum lot

1W 2000/箱 BOX

2、3W 1000/箱 BOX

■品番コード Explanation of Part Number

KNT 3W 100 J / RO

