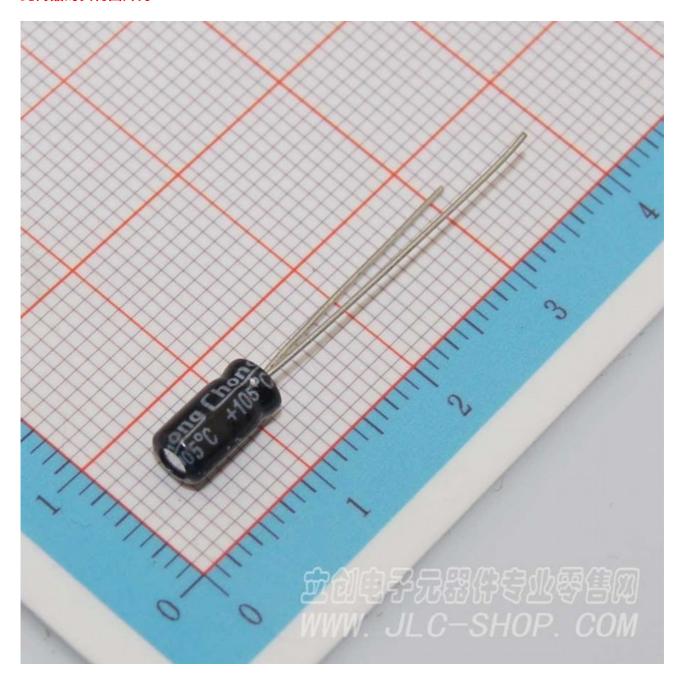


此商品编号对应的规格参数是: 50V 1uF 4X7

此商品的实物图片为:





KS Series

7mmL(高), -40°C~+105°C

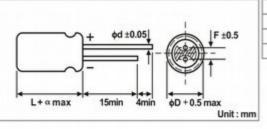
FEATURES

- 1. Rated working voitage range 6.3 to 50V DC operation temperature range -40 to +105°C.
- This series is for communication equipments, switching power supply, industrial measuring instruments, automotive electric products, etc.



| SPECIFICATIONS | | | | | | | | | | |
|---------------------------------|---|--|------|--|------|------|------|--|--|--|
| Item | Performance Charactesistics | | | | | | | | | |
| Operating Temperature Range | -40 to +105°C | | | | | | | | | |
| Reted Working Voltage Range | 6.3 to 50V | | | | | | | | | |
| Nominal Capacitance Range | 0.1 to 220μF | 0.1 to 220µF | | | | | | | | |
| Capacitance Tolerance | ±20% (120Hz, +20°C) | | | | | | | | | |
| Leakage Current | I ≤ 0.01CV or 3(μA) Whichever is greater m | ≤ 0.01CV or 3(µA) Whichever is greater measured after 2 minutes application of rated working voltage at +20°C | | | | | | | | |
| tan 8 (120Hz, +20°C) | Working Voltage (V) | 6.3 | 10 | 16 | 25 | 35 | 50 | | | |
| | tan δ (max.) | 0.24 | 0.21 | 0.18 | 0.15 | 0.13 | 0.12 | | | |
| Low Temperature Characteristics | Impedance ratio max. at 120Hz | | | | | | | | | |
| | Working Voltage (V) | 6.3 | 10 | 16 | 25 | 35 | 50 | | | |
| | Z-25°C / Z+20°C | 4 | 2 | 2 | 2 | 2 | 2 | | | |
| | Z-40°C / Z+20°C | 8 | 6 | 4 | 3 | 3 | 3 | | | |
| High Temperature Loading | Test conditions Duration :1000 Ambient temp. :+105 Applied voltage : Rated with the | Post test requirements at +20°C Leakage current: ≤ Initial specified value Cap. Change : within±20% of initial measured value tan δ : ≤ 200% of initial specified value | | | | | | | | |
| Shelf Life | Test conditions Duration : 1000 hours Ambient temp. : +105°C Applied voltage : (None) | | | Post test requirements at +20°C Same limits for high temperature loading. | | | | | | |
| Others | JIS C - 5101 (IES 60384) | | | | | | | | | |

CASE SIZE TABLE



| φD | 4 | 5 | 6.3 | 8 | | | |
|----|---------------------|------|-----|------|--|--|--|
| F | 1.5 | 2.0 | 2.5 | 3.5 | | | |
| φd | | 0.45 | | 0.45 | | | |
| α | (L ≤ 7) 1 (L≥9) 1.5 | | | | | | |

RIPPLE CURRENT MULTIPLIER

| Frequency Coefficient | | | | | | | | |
|-----------------------|-----------------------|------|------|------|------|------|--|--|
| Cap(µF) | Coefficient Freq.(Hz) | 50 | 120 | 300 | 1k | 10k~ | | |
| | ≤ 47 | 0.75 | 1.00 | 1.35 | 1.57 | 2.00 | | |
| | 68~470 | 0.80 | 1.00 | 1.23 | 1.34 | 1.50 | | |



KS Series

7mmL(高), -40°C~+105°C

STANDARD RATINGS

| Voltag | ge (Code) | 6.3 | V (0J) | 10\ | / (1A) | 16\ | / (1C) | 25\ | / (1E) |
|-----------|-----------|-----------|----------------|-----------|----------------|-----------|----------------|-----------|----------------|
| Сар.(µ.F) | Code | Case Size | Ripple Current |
| 0.1 | 104 | | | | | | | | |
| 0.22 | 224 | | | | | | | | |
| 0.33 | 334 | | | | | | | | |
| 0.47 | 474 | | | | | | | | |
| 1 | 105 | | | | | | | | |
| 2.2 | 225 | | | | | | | | |
| 3.3 | 335 | | | | | | | | |
| 4.7 | 475 | | | | | 20 | | | |
| 10 | 106 | | | | | 4x7 | 29 | 4 x 7 | 29 |
| 22 | 226 | 4 x 7 | 34 | 4x7 | 34 | 4x7 | 38 | 5 x 7 | 45 |
| 33 | 336 | 4x7 | 37 | 4x7 | 40 | 5 x 7 | 50 | 5 x 7 | 55 |
| 47 | 476 | 4x7 | 44 | 5 x 7 | 50 | 5 x 7 | 60 | 6.3 x 7 | 67 |
| 100 | 107 | 5 x 7 | 67 | 6.3 x 7 | 83 | 6.3 x 7 | 92 | 6.3 x 7 | 95 |
| 220 | 227 | 6.3 x 7 | 112 | 8 x 7 | 140 | | | 8 x 7 | 158 |

Maximum Allowable Ripple Current (mA rms) at 105°C 120Hz

Case Size $\phi D \times L(mm)$

| Voltag | ge (Code) | 35\ | / (1V) | 50\ | / (1H) | | |
|----------|-----------|-----------|----------------|-----------|----------------|--|--|
| Cap.(µF) | Code | Case Size | Ripple Current | Case Size | Ripple Current | | |
| 0.1 | 104 | | | 4x7 | 1.0 | | |
| 0.22 | 224 | | | 4x7 | 2.3 | | |
| 0.33 | 334 | | | 4x7 | 3.5 | | |
| 0.47 | 474 | | | 4x7 | 5.0 | | |
| 1 | 105 | | | 4x7 | 10 | | |
| 2.2 | 225 | | | 4x7 | 19 | | |
| 3.3 | 335 | | | 4x7 | 24 | | |
| 4.7 | 475 | 4x7 | 24 | 5x7 | 29 | | |
| 10 | 106 | 5 x 7 | 36 | 6.3 x 7 | 44 | | |
| 22 | 226 | 6.3 x 7 | 57 | 8x7 | 65 | | |
| 33 | 336 | 6.3 x 7 | 62 | | | | |
| 47 | 476 | 6.3 x 7 | 78 | | | | |
| 100 | 107 | 8 x 9 | 95 | | | | |
| 220 | 227 | | | | | | |

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