



## DISCRIPTION

### FEATURES

To be high saturation for surface mounting.  
 Excellent solderability and high heat resistance.  
 Excellent terminal strength construction.  
 Packed in embossed carrier tape and can be used by automatic mounting.

### OPTIONS

Tape & Reel is Standard  
 Bulk Packing Available for smaller quantities  
 Tolerance: M=20% is Standard

### APPLICATIONS

VTR  
 OA equipment  
 LCD television sets  
 notebook PC  
 portable communication equipments  
 DC / DC converters

### PHYSICAL CHARACTERISTICS

- Inductance measured by LCR Meter HP4284A / HP4286A
- DC Resistance measured by Milliohm meter HP4338B
- Rated DC Current : This indicates the value of when the inductance is 20% lower than its initial value at DC superimposition or DC current when at  $t=40^{\circ}\text{C}$ , whichever is lower. ( $T_a=20^{\circ}\text{C}$ ), Test Condition: 1.0KHz/1.0V at WK3260B LCR Meter and WK3265B DC bias.

### ELECTRICAL SPECIFICATIONS

| Properties         | Test conditions |                 | Value | Unit          | Tol.       |
|--------------------|-----------------|-----------------|-------|---------------|------------|
| Inductance         |                 | <b>L</b>        | 4,7   | $\mu\text{H}$ | see Site 2 |
| Q factor           |                 | <b>Q</b>        | ---   |               | min.       |
| DC-resistance      |                 | <b>DCR typ.</b> | ---   | $\Omega$      | typ.       |
| DC-resistance      |                 | <b>DCR max.</b> | 0,10  | $\Omega$      | max.       |
| Self-Res. Freq.    |                 | <b>SRF</b>      | 7,960 | Mhz           | min.       |
| Test-Freq.         |                 |                 | ---   | Mhz           |            |
| Rated Current      |                 | <b>IDC</b>      | 1,50  | A             | max.       |
| Saturation Current |                 | <b>Isat</b>     | ---   | A             | typ.       |

1. This electronic component is meant to be used in general electronic equipment. Before the incorporation of this component into any equipment with higher and more reliable requirements such as aviation, aerospace, submarine, nuclear control, transportation, transportation signal, disaster prevention, medical, public information network, etc. or if there is a possibility of injuries or damages to the human body, Edcon -Components must be informed before the stage of design-in. Evaluation checks for safety have to be performed on each electronic components used in electrical circuits that require high safety and reliability functions.

**SMT Unshielded  
 Power Inductor**

Part No.: **S19006-4R7**

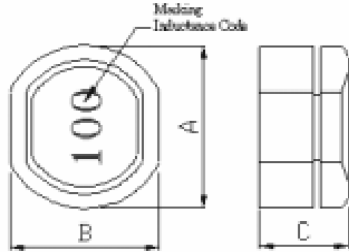
Customer:

|       |       |      |       |        |         |       |            |
|-------|-------|------|-------|--------|---------|-------|------------|
| DRW:  | Chang | CHKD | Young | MATL:  | Chu Chi | DATE  | 17.06.2009 |
| APPD: | Pong  |      |       | FINISH | Vienna  | Sheet | 1 from 2   |



## TECHNICAL INFORMATION

### Dimensions ( mm )



|          |             |
|----------|-------------|
| <b>A</b> | 6,20 ± 0,30 |
| <b>B</b> | 5,60 ± 0,30 |
| <b>C</b> | 3,50 max.   |
| <b>D</b> | 1,50 typ.   |

### Ordering Information

| Serie and Range |
|-----------------|
| S19006-4R7      |

| Tolerance | ROHS | Packing |
|-----------|------|---------|
| M         | R    | TR      |

|         |              |                |
|---------|--------------|----------------|
| K = 10% | R = ROHS     | BU = Bulk Ware |
| M = 20% | N = non ROHS | TR = Tape Reel |

### Soldering Profile for Lead Free Soldering 235-240°C



### Soldering Profile for Lead Free Soldering 255-260°C



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