

# OWIR74B-1R5

## SMD Power inductor



### Description

SMD Power inductor

### Features

High performance inductor  
RoHS, Halogen Free and Reach compliant

### Applications

Power supply for VTR, OA equipment  
LCD television set, notebook PC  
Portable communication, equipment  
DC/DC converters, etc.

### General Specifications

|  |                             |
|--|-----------------------------|
| Test Voltage                                   | 0.25V                       |
| Parameters Test Temp                           | 25°C                        |
| Operation Temp<br>(Including temperature Rise) | -40°C to +125°C             |
| Storage Temp                                   | 0 to 40°C                   |
| Storage Humidity                               | <70% RH                     |
| Resistance to Soldering Heat                   | 260°C for 10 sec            |
| Rated Current                                  | L drops off 35% typ at Isat |
| Temperature Rise                               | 40°C typ. at Irms           |

| Inductance [ $\mu$ H] | Ltol.      | Test freq. | DCR [ $\text{m}\Omega$ ] | Isat [A] | Irms [A] | Irated [mA] | Idc max [mA] | Q (min) | SRF[MHz] |
|-----------------------|------------|------------|--------------------------|----------|----------|-------------|--------------|---------|----------|
| 1.50                  | K, L, M, N | 100 kHz    | 45.00                    | 3.15     | 3,75     |             |              |         |          |

When ordering please specify tolerance code Tolerance: K= $\pm 10\%$ , L= $\pm 15\%$ , M= $\pm 20\%$ , N= $\pm 30\%$

## Shape and dimensions [mm]

| A         | B         | C    | D   | E | F | G | H   | I    | J   | Shape |
|-----------|-----------|------|-----|---|---|---|-----|------|-----|-------|
| 7.80      | 7.00      | 4.90 | 1.9 |   |   |   | 7.5 | 3.75 | 1.5 |       |
| $\pm 0.3$ | $\pm 0.3$ | Max  | Ref |   |   |   | Ref | Ref  | Ref |       |

