

## Datasheet

### **RS Pro NPI54C Series Wire-wound SMD Inductor 1.8 $\mu$ H $\pm$ 20% Wire-Wound 3A Idc**

RS Stock No: **740-9536**



## Product Details

RS Pro wire-wound SMD inductor offers inductance of 1.8  $\mu$ H and withstands DC current up to 3 A. It works with DC-DC converters and DC-AC inverters. This compact filter is suitable for both flow and reflow soldering.

## Features and Benefits

- High current, small size (up to 4 amps)
- Surface mountable construction
- High inductance (up to 680  $\mu$ H)
- Suitable for use in DC/DC converters, DC/AC inverters
- Lead free compatible

## Specifications:

|                               |                    |
|-------------------------------|--------------------|
| Inductor Construction         | Wire Wound         |
| Shielded                      | No                 |
| Depth                         | 5.2 mm             |
| Dimensions                    | 5.8 x 5.2 x 4.5 mm |
| Height                        | 4.5 mm             |
| Length                        | 5.8 mm             |
| Maximum DC Current            | 3 A                |
| Maximum DC Resistance         | 25 mΩ              |
| Maximum Operating Temperature | +85°C              |
| Minimum Operating Temperature | -40°C              |
| Tolerance                     | ±20%               |
| Inductance                    | 1.8 µH             |
| Package/Case                  | 54                 |
| Package Type                  | Tape & Reel        |
|                               |                    |