



**Technical Specification**

**Features**

- Wire Wound Construction
- Polyolefin Shrink Tube
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

**Applications**

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

**Dimensions**



| Technical Dimensions |        |        |        |
|----------------------|--------|--------|--------|
| D (mm)               | L (mm) | E (mm) | F (mm) |
| 9,5                  | 12,0   | 10     | 5      |
| d (mm)               |        |        |        |
| 0,6                  |        |        |        |

**Electrical Characteristics**

**Technical Information**

Testing LCR Bridge, measured @ 1KHz 0,1V HP4284A  
 Equivalent acceptacle  
 RDC. QuadTech 1880 Milliohmmeter  
 IDC: Max. Lowers inductance by 10%  
 Operating Temperature: -55°C ~ +125°C  
 Shrink tube: Flame retardent UL type VW-1  
 Marking: Inductance and tolerance  
 Note: All specifications subject to change without notice.

| Inductance              | Inductance Code   | IDC    | DCR max. |
|-------------------------|-------------------|--------|----------|
| 6,8μH                   | 6R8               | 3,700A | 0,022Ω   |
| Self-Resonant Frequency | L-Test Conditions |        |          |
| 7.96MHz                 | 1KHz, 0,25V       |        |          |

**THT Radial Power Choke**

Part No.: **S10R94**

Customer:

|       |       |      |       |        |       |       |            |
|-------|-------|------|-------|--------|-------|-------|------------|
| DRW:  | Jason | CHKD | Jules | MATL:  | Wu    | DATE  | 22.06.2018 |
| APPD: | Join  |      |       | FINISH | Shieh | Sheet | 1 from 2   |



**Soldering Profile**

**TYPICAL WAVE SOLDER PROFILE FOR LEADED AND LEAD-FREE THROUGH-HOLE PACKAGES**



**Ordering Information**

| Serie | Inductance | Tolerance | Lead Length | ROHS | Packing |  |
|-------|------------|-----------|-------------|------|---------|--|
|-------|------------|-----------|-------------|------|---------|--|

|               |            |          |           |          |           |  |
|---------------|------------|----------|-----------|----------|-----------|--|
| <b>S10R94</b> | <b>6R8</b> | <b>M</b> | <b>10</b> | <b>R</b> | <b>BU</b> |  |
|---------------|------------|----------|-----------|----------|-----------|--|

|                   |                    |                 |                            |                         |
|-------------------|--------------------|-----------------|----------------------------|-------------------------|
| <b>6R8=</b> 6,8µH | <b>M=</b> Tol. 20% | <b>10=</b> 10mm | <b>R=</b> ROHS conform     | <b>BU=</b> Bulk Ware    |
|                   | <b>K=</b> Tol. 10% |                 | <b>N=</b> NON ROHS conform | <b>TY=</b> Tray Package |

|                               |               |
|-------------------------------|---------------|
| <b>THT Radial Power Choke</b> |               |
| Part No.:                     | <b>S10R94</b> |
| Customer:                     |               |

|       |       |      |       |        |       |       |            |
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