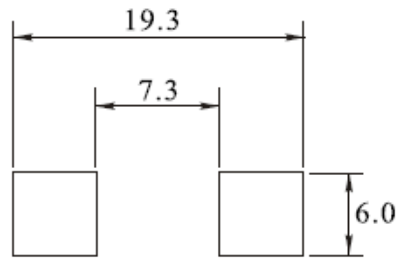
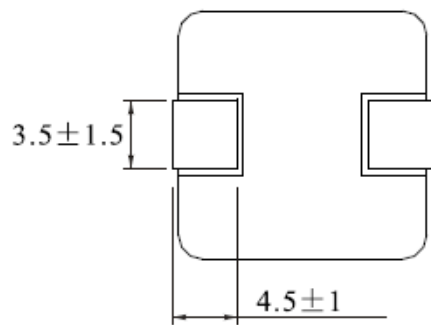
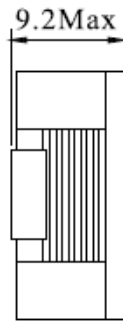
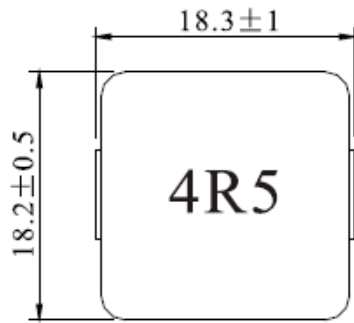
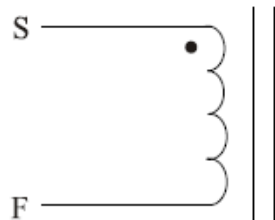


1. PHYSICAL CHARACTERISTICS (mm)



2. ELECTRONICAL SCHEMATIC



3. ELECTRICAL SPECIFICATIONS

- Inductance: $4.5\mu\text{H} \pm 20\%$ @ 100KHz, 0.1V
- Rated current: 20.5A (temperature rise 50°C)
- Saturation current: 37.0A (L drop 30% Max.)
- DCR: $3.67\text{m}\Omega$ Max
- Operating temperature: -40°C to +125°C
(Include temp. rise)

Test Instrument:

- L: HP4284A
- RDC: HM2540
- Current test: WK3260B+3265B

Note:

1. Solderability: leads shall meet MIL-STD-202, Method 208D for solderability.
2. Flammability: UL94V-0
3. ASTM oxygen index: >28%

| | | |
|-------------|---------------|---|
| TOLERANCE | | SCHMID-M |
| SCALE | UNIT mm | |
| DRAW Miller | DATE 8.4.2021 | TITLE SPA1809-4R5M-20,5A |
| CHECK | REV | DESCRIPTION SMD High current inductor |
| | | |