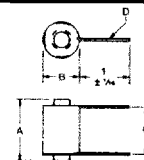


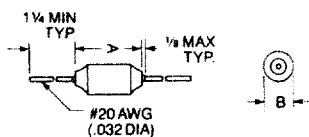
# TI 300 SERIES SWITCHING POWER SUPPLY CHOKES

## 300 SERIES



| TM<br>part no. | Electrical specifications   |                              |                                 |                                      | Dimensions – inches |             |            |            |
|----------------|-----------------------------|------------------------------|---------------------------------|--------------------------------------|---------------------|-------------|------------|------------|
|                | Inductance<br>1 KHz<br>±10% | Current<br>rating<br>amps DC | Maximum<br>DC Resistance<br>(Ω) | Self-resonant<br>frequency<br>(Min.) | A<br>(Max.)         | B<br>(Max.) | C<br>±.062 | D<br>±.005 |
| TI300-501-3    | 5μH                         | 3 amps                       | .015                            | 40 MHz                               | 0.875               | 0.625       | 0.500      | .042       |
| TI300-102-3    | 10μH                        | 3amps                        | .018                            | 25MHz                                | 1.125               | 0.625       | 0.687      | .042       |
| TI300-272-3    | 27μH                        | 3 amps                       | .035                            | 8 MHz                                | 0.875               | 0.812       | 0.437      | .042       |
| TI300-502-3    | 50μH                        | 3 amps                       | .050                            | 5 MHz                                | 1.125               | 0.812       | 0.750      | .042       |
| TI300-103-3    | 100μH                       | 3 amps                       | .065                            | 2.5MHz                               | 1.125               | 0.812       | 0.937      | .042       |
| TI300-153-3    | 150μH                       | 3 amps                       | .075                            | 2.0 MHz                              | 1.375               | 0.812       | 1.062      | .042       |
| TI300-253-3    | 250μH                       | 3 amps                       | .090                            | 1.0 MHz                              | 1.625               | 0.812       | 1.312      | .042       |
| TI300-501-5    | 5μH                         | 5 amps                       | .012                            | 30 MHz                               | 0.875               | 0.640       | 0.750      | .053       |
| TI300-102-5    | 10μH                        | 5 amps                       | .015                            | 20 MHz                               | 1.125               | 0.640       | 1.000      | .053       |
| TI300-272-5    | 27μH                        | 5 amps                       | .025                            | 7 MHz                                | 0.875               | 0.875       | 0.562      | .053       |
| TI300-502-5    | 50μH                        | 5 amps                       | .030                            | 4 MHz                                | 1.125               | 0.875       | 0.750      | .053       |
| TI300-682-5    | 68μH                        | 5 amps                       | .035                            | 3.5 MHz                              | 1.125               | 0.875       | 0.875      | .053       |
| TI300-103-5    | 100μH                       | 5 amps                       | .050                            | 2.5MHz                               | 1.375               | 0.875       | 1.000      | .053       |
| TI300-153-5    | 150μH                       | 5 amps                       | .060                            | 2.0 MHz                              | 1.625               | 0.875       | 1.250      | .053       |
| TI300-501-10   | 5μH                         | 10 amps                      | .010                            | 30 MHz                               | 1.125               | 0.687       | 0.812      | .065       |
| TI300-102-10   | 10μH                        | 10 amps                      | .012                            | 20 MHz                               | 1.375               | 0.687       | 1.218      | .065       |
| TI300-272-10   | 27μH                        | 10 amps                      | .018                            | 7 MHz                                | 1.125               | 0.937       | 0.687      | .065       |
| TI300-502-10   | 50μH                        | 10 amps                      | .025                            | 4 MHz                                | 1.375               | 0.937       | 0.937      | .065       |
| TI300-682-10   | 68μH                        | 10 amps                      | .027                            | 3.5 MHz                              | 1.375               | 0.937       | 1.125      | .065       |
| TI300-103-10   | 100μH                       | 10 amps                      | .030                            | 2.5MHz                               | 1.625               | 0.937       | 1.312      | .065       |
| TI300-501-15   | 5μH                         | 15 amps                      | .008                            | 30 MHz                               | 1.375               | 0.725       | 0.937      | .082       |
| TI300-102-15   | 10μH                        | 15 amps                      | .010                            | 20 MHz                               | 1.687               | 0.725       | 1.500      | .082       |
| TI300-272-15   | 27μH                        | 15 amps                      | .015                            | 7 MHz                                | 1.375               | 1.000       | 0.937      | .082       |
| TI300-502-15   | 50μH                        | 15 amps                      | .020                            | 4 MHz                                | 1.625               | 1.000       | 1.125      | .082       |

## TI 200 SERIES



| TM<br>part no. | Electrical specifications   |                              |                                 | Dimensions – inches |             |
|----------------|-----------------------------|------------------------------|---------------------------------|---------------------|-------------|
|                | Inductance<br>1 KHz<br>±10% | Current<br>rating<br>amps DC | Maximum<br>DC Resistance<br>(Ω) | A<br>(Max.)         | B<br>(Max.) |
| TI200-252-1    | 25μH                        | 1.0                          | 0.12                            | 0.85                | .35         |
| TI200-502-1    | 50μH                        | 1.0                          | 0.17                            | 1.10                | .35         |
| TI200-103-1    | 100μH                       | 1.0                          | 0.25                            | 0.85                | .45         |
| TI200-253-1    | 250μH                       | 1.0                          | 0.44                            | 0.85                | .45         |
| TI200-503-1    | 500μH                       | 1.0                          | 0.56                            | 1.10                | .50         |
| TI200-753-1    | 750μH                       | 1.0                          | 0.74                            | 1.10                | .50         |
| TI200-252-2    | 25μH                        | 2.0                          | 0.085                           | 1.00                | .40         |
| TI200-502-2    | 50μH                        | 2.0                          | 0.135                           | 1.10                | .50         |
| TI200-103-2    | 100μH                       | 2.0                          | 0.155                           | 0.85                | .45         |
| TI200-253-2    | 250μH                       | 2.0                          | 0.275                           | 1.10                | .50         |
| TI200-501-3    | 5μH                         | 3.0                          | 0.020                           | 0.85                | .40         |
| TI200-102-3    | 10μH                        | 3.0                          | 0.035                           | 0.85                | .40         |
| TI200-252-3    | 25μH                        | 3.0                          | 0.060                           | 1.10                | .50         |
| TI200-502-3    | 50μH                        | 3.0                          | 0.075                           | 0.85                | .50         |
| TI200-103-3    | 100μH                       | 3.0                          | 0.125                           | 1.10                | .60         |

\*Current that will cause a maximum 10% drop in inductance