

View Online at <https://aerobasegroup.com/nsn/5977-01-595-2227>

**Body Style:**

Cylindrical

**Hole Diameter:**

Between 0.187 inches and 0.188 inches

**Distance From Center Of Hole To Outside Edge:**

Between 0.8593 inches and 0.8595 inches

**Spring Free Length:**

Between 1.717 inches and 1.719 inches

**Largest Outside Diameter:**

0.942 inches

**Outer Edge To Slot Edge Distance:**

0.041 inches

**Product Name:**

Btm18-I brushless dc motors

**Special Features:**

Peak torque: 20 oz/in; power at tp: 60watts; motor constant: 2.59 oz/in; continuous torque: 6.0 oz/in; power at continuous torque: 8.5 watts; input volts at continuous torque: 8.5 volts; electrical time constant: 0.77 milli-second; mechanical time constant: 25 milli-sec; damping factor: 0.048 oz/in/rad/sec; rotor inertia: 0.0012 oz/in/sec; angular excursion: +, - 50 degrees; total breakaway torque: 0.60 oz/in; max allowable wdg temp: 155.0c; number poles: 2; weight: 5.6 oz; winding constants: resistance: 6.5 +, -12.5 percent ohms; voltage at tp: 19.7 volts ; current at tp: 3.03 amps ; torque sensitivity: 6.60 oz/in/amp, +, -10 percent; back e.M.F. 0.047 volts/rad/sec, +, -10 percent; inductance: 5.0 millihenries, +, - 30 percent.

**Style Designator:**

One piece

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fig:**

A01500