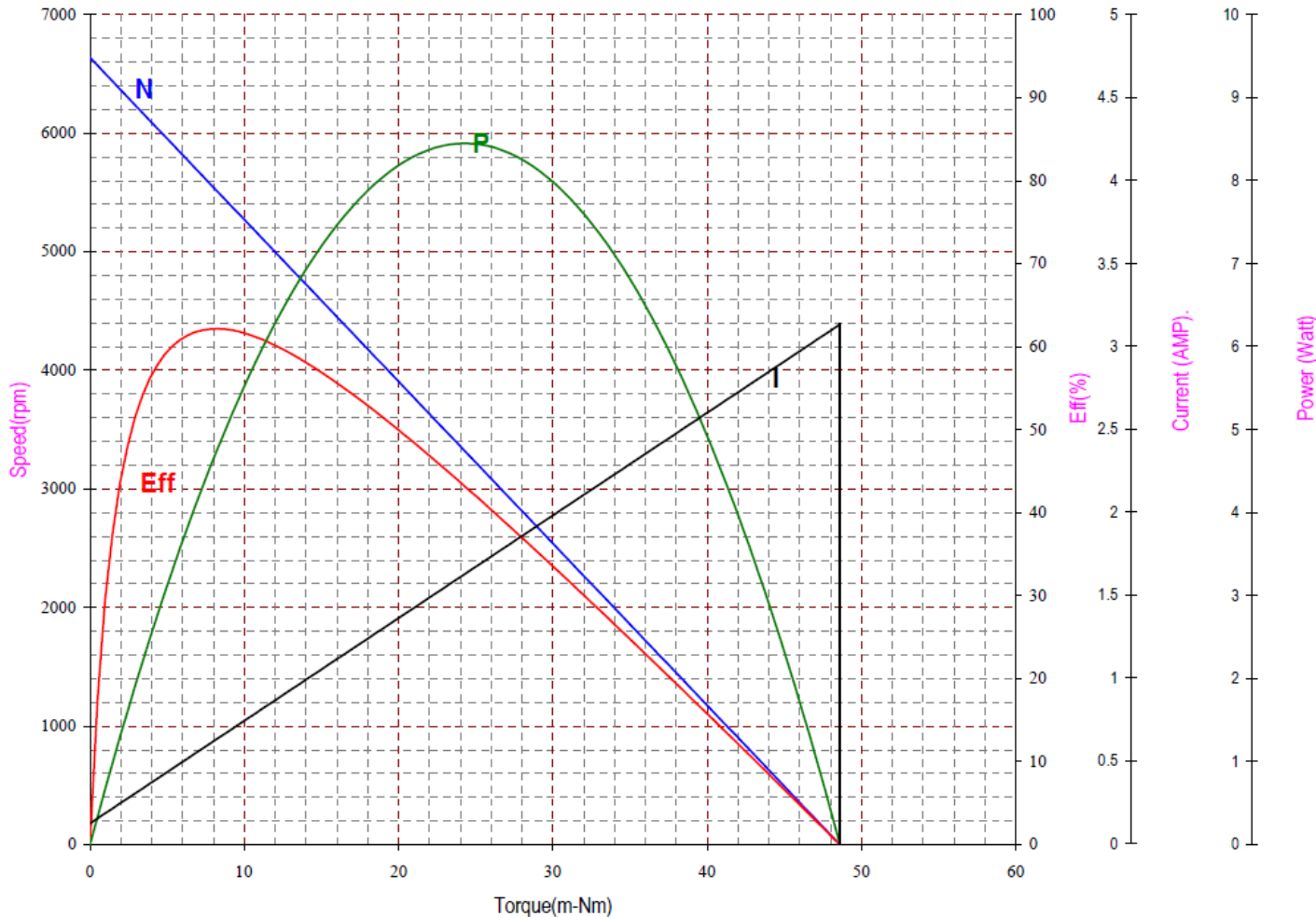


Excellence in *Micromotors* Since 1959

Project No.:
 Winding : 0.2 - 75
 Motor test reference no : HC355XLG



FORM : PIB-930701-1

Performance (In an ambient temperature of 25 -30 C)

Motor tested rapidly to prevent significant temperature rise.

At a constant voltage of 12.00 Volts
 With a circuit resistance 0.000 Ohms

At No Load

Speed : 6636 Rpm
 Current: 0.128 Amp

At stall (Extrapolated)

Torque : 48.609 m-Nm
 Current: 3.134 Amp

At maximum efficiency

Efficiency : 62.15 %
 Torque : 8.181 m-Nm
 Speed : 5519 Rpm
 Current : 0.634 Amp
 Output : 4.730 Watts

At maximum power

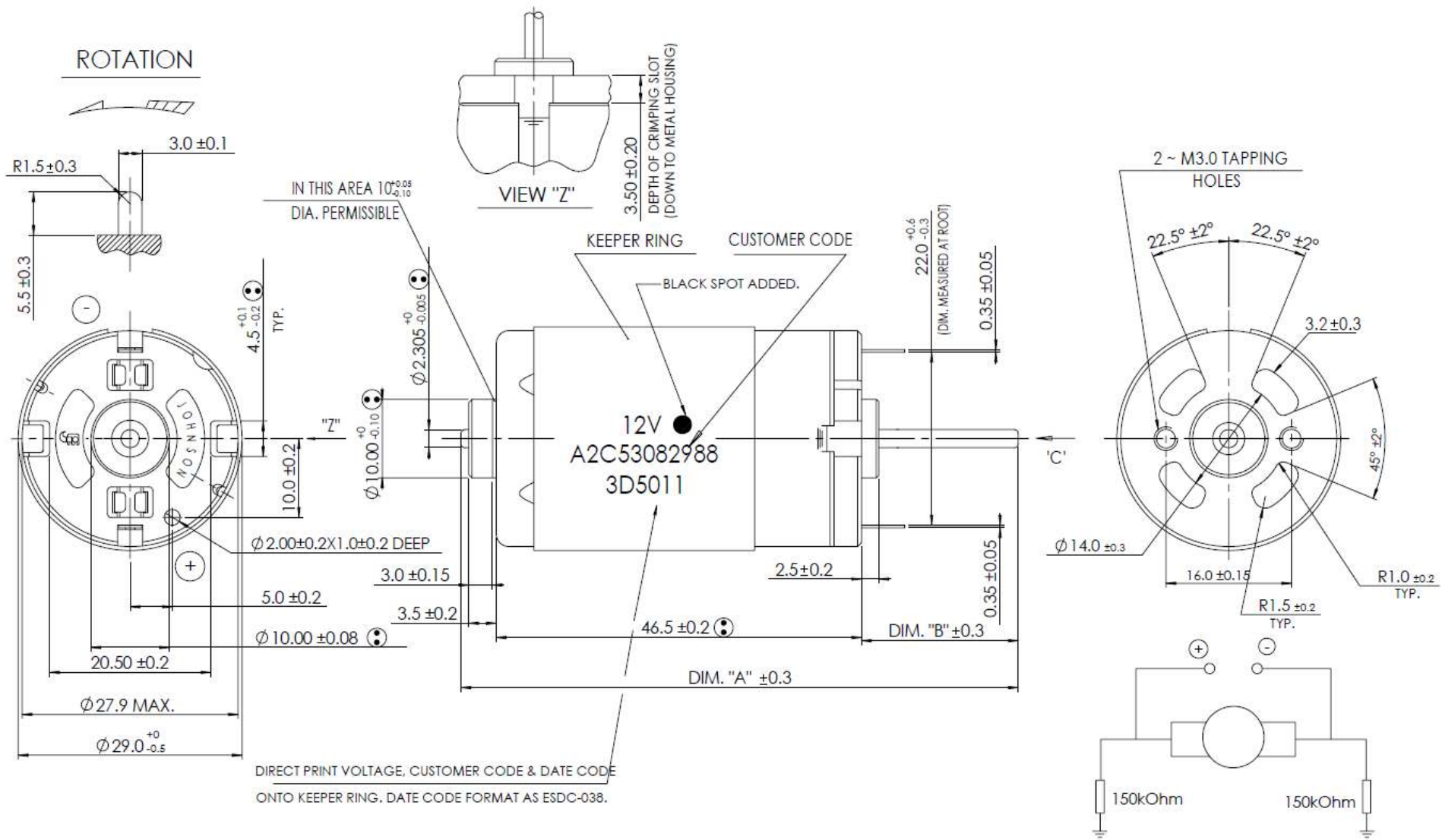
Torque : 24.305 m-Nm
 Speed : 3318 Rpm
 Current : 1.631 Amp
 Output : 8.448 Watts

Characteristics

Torque Constant : 16.172 m-Nm/Amp
 E.M.F Constant : 16.172 mV/rad/sec
 Dy. Resistance : 3.829 Ohms
 Motor Regulation: 136.517 Rpm/m-Nm

At Torque Level:

Torque: 10.000 m-Nm
 Speed: 5271 Rpm
 Current: 0.747 Amp
 Efficiency: 61.62 %
 Output: 5.522 Watts



NOTES :-

1. LENGTH OF SHAFT : DIM "A" = 71.0 mm.
2. REAR EXTENSION : DIM "B" = 20.0 mm, MEASURED WITH SHAFT PUSHED TO THE EXTREME POSITION ALONG DIRECTION "C".
3. DIRECTION OF ROTATION : ANTI-CLOCKWISE WHEN VIEWING MOTOR FROM OUTPUT END WITH POSITIVE VOLTAGE APPLIED TO POSITIVE TERMINAL.
4. END PLAY : $0.15-0.50$ mm. \odot
5. MAX MALE SCREW LENGTH ENGAGED INTO HSG. TO BE 3.0 mm.
6. BLACK SPOT ADDED ON MOTOR CAN FOR DIFFERENTIATION.