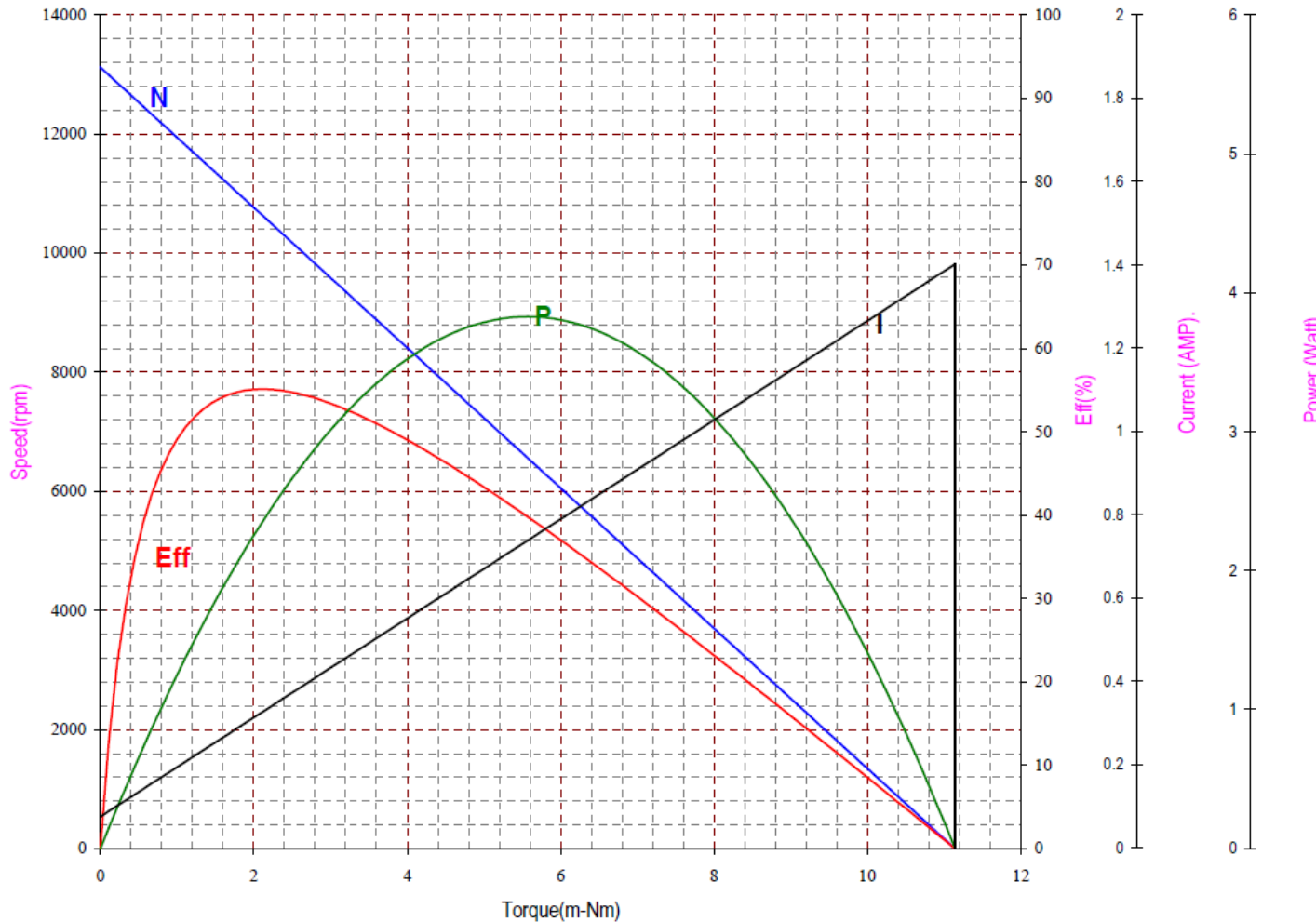


Excellence in *Micromotors* Since 1959

Project No.: 00D1021-10431
 Winding : 0.12 - 240
 Motor test reference no : NF143G



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 13.00 Volts
 With a circuit resistance 0.000 Ohms

At No Load

Speed : 13120 Rpm
 Current: 0.077 Amp

At stall (Extrapolated)

Torque : 11.140 m-Nm
 Current: 1.402 Amp

At maximum efficiency

Efficiency : 55.13 %
 Torque : 2.115 m-Nm
 Speed : 10629 Rpm
 Current : 0.329 Amp
 Output : 2.355 Watts

At maximum power

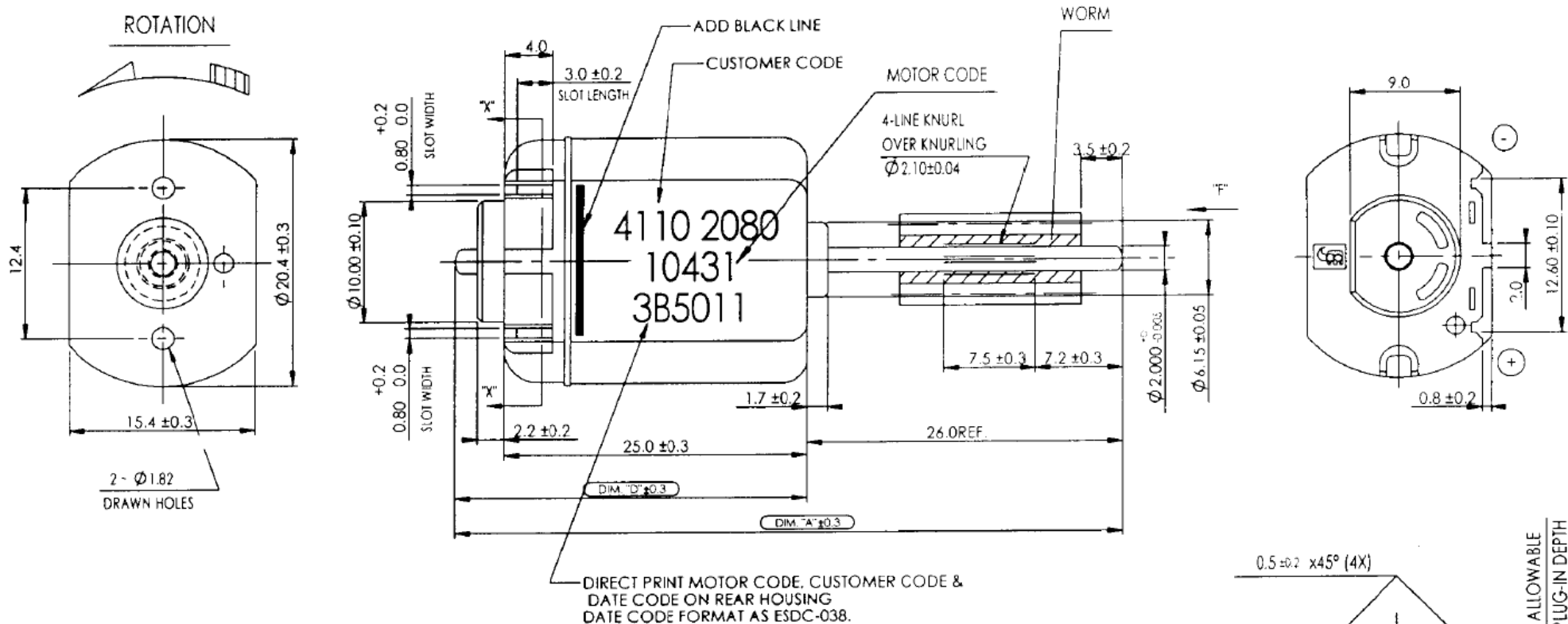
Torque : 5.570 m-Nm
 Speed : 6560 Rpm
 Current : 0.740 Amp
 Output : 3.828 Watts

Characteristics

Torque Constant : 8.406 m-Nm/Amp
 E.M.F Constant : 8.406 mV/rad/sec
 Dy. Resistance : 9.270 Ohms
 Motor Regulation: 1177.695 Rpm/m-Nm

At Torque Level:

Torque: 3.000 m-Nm
 Speed: 9587 Rpm
 Current: 0.434 Amp
 Efficiency: 53.42 %
 Output: 3.013 Watts



NOTES :

1. LENGTH OF SHAFT, DIM. "A", TO BE 55.0 mm.
2. DIM. "D", TO BE 29.0 mm WHEN MEASURED WITH SHAFT PUSHED AGAINST PLASTIC END CAP. (WITH FORCE OF 5 N APPLIED IN DIRECTION "F".)
3. DIRECTION OF ROTATION : ANTI-CLOCKWISE WHEN VIEWING MOTOR OUTPUT END WITH POSITIVE VOLTAGE APPLIED TO POSITIVE TERMINAL.
4. END PLAY : 1.1 ~ 1.4 mm (100% CHECKED)
5. : IDENTIFIES CUSTOMER CRITICAL DIMENSION (TOTAL : 2).
6. THE WORM MUST WITHSTAND A MIN. TWISTING TORQUE OF 0.75 Nm, AND PULL-OFF FORCE 200N MIN., WITHOUT ANY MOVEMENT AT -40°C TO 85°C.

