

# MICRO MOTOR MFG. CO.

NO.: curve -M28-20120-006

## MOTOR PERFORMANCE CURVES AND CHARACTERISTICS:

MODEL: \* **M28CS-20120** \*

VOLTAGE: **6.0 V**

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70	4.0	3.0	8500
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56	3.2	2.4	6800
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42	2.4	1.8	5100
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28	1.6	1.2	3400
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14	0.8	0.6	1700
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EFFICIENCY-%	OUTPUT-W	CURRENT-A	SPEED-RPM
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TORQUE - GM.CM

PREPARED BY: J.M.A.H.

CHECKED BY: P.Y.

APPROVED BY: \_\_\_\_\_

FILENAME: Drawing.dwg.DWG

### PERFORMANCE

#### AT NO LOAD

SPEED = 7900 RPM  
CURRENT = 0.120 AMP

#### AT STALL EXTRAPOLATION

TORQUE = 161.0 G.CM  
CURRENT = 2.600 AMP.

#### AT MAXIMUM EFFICIENCY:

EFFICIENCY = 56.66 %  
SPEED = 6503 RPM  
TORQUE = 28.5 G.CM  
CURRENT = 0.559 AMP.  
OUTPUT = 1.899 WATTS

#### AT MAXIMUM OUTPUT

SPEED = 3950 RPM  
TORQUE = 80.5 G.CM  
CURRENT = 1.300 AMP.  
OUTPUT = 3.261 WATTS

#### CHARACTERISTICS

TORQUE CONSTANT = 64.919 G.CM/AMP.  
E.M.F CONSTANT = 6.918 mV/Rad/Sec  
DYNAMIC RESISTANCE = 2.308 Ohms  
MOTOR REGULATION = 49.068 RPM/G.CM

NOTE: THE CURVES REPRESENT THE THEORETICAL PERFORMANCE  
OF THE FEW SAMPLES, FOR REFERENCE ONLY.