

MICRO MOTOR MFG. CO.

NO.: curve - MF26 - 18130 - 001

MOTOR PERFORMANCE CURVES AND CHARACTERISTICS:

MODEL: * **MF26C-18130** *

VOLTAGE: 4.5 V

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55	2.0	2.5	12000
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44	1.6	2.0	9600
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33	1.2	1.5	7200
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22	0.8	1.0	4800
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11	0.4	0.5	2400
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EFFICIENCY-%	OUTPUT-W	CURRENT-A	SPEED-RPM
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TORQUE - GM.CM

PREPARED BY:

CHECKED BY:

APPROVED BY:

PERFORMANCE

AT NO LOAD

SPEED = 9800 RPM
CURRENT = 0.120 AMP

AT STALL EXTRAPOLATION

TORQUE = 57.3 G.CM
CURRENT = 2.100 AMP.

AT MAXIMUM EFFICIENCY:

EFFICIENCY = 39.70 %
SPEED = 7909 RPM
TORQUE = 11.1 G.CM
CURRENT = 0.502 AMP.
OUTPUT = 0.897 WATTS

AT MAXIMUM OUTPUT

SPEED = 4900 RPM
TORQUE = 28.7 G.CM
CURRENT = 1.050 AMP.
OUTPUT = 1.440 WATTS

CHARACTERISTICS

TORQUE CONSTANT = 28.939 G.CM/AMP.
E.M.F CONSTANT = 4.134 mV/Rad/Sec
DYNAMIC RESISTANCE = 2.143 Ohms
MOTOR REGULATION = 171.030 RPM/G.CM

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