

SANYO DENKI
SANMOTION

[illegible]

MODEL		SM 2861-5255 (SM 2861-5225)
BASIC STEP ANGLE		1.8° ± 0.09°
BIPOLAR CURRENT	(Amp)	6.0
RESISTANCE	(Ohm)	0.29
INDUCTANCE	(mH)	1.7
BIPOLAR HOLDING TORQUE	(Ncm)	360
ROTOR INERTIA	(Kgm ² x 10 ⁻⁷)	1480
THEORETICAL ACCELERATION	(rad x sec. ⁻²)	24300
BACK E.M.F.	(V/Krpm)	60
MASS	(Kg)	1.7
INTERNATIONAL STANDARDS		UL, CSA
INSULATION VOLTAGE	(V)	250 V _{AC} (350 V _{DC})
PROTECTION DEGREE		IP43-F
LEADS CODE		V

Figure 10 is a line graph showing the relationship between Maximum torque (Nm) on the y-axis and speed (Krpm) on the x-axis for three different DC voltages (140V, 75V, and 48V). The x-axis ranges from 0 to 3.0 Krpm, and the y-axis ranges from 0 to 4 Nm. The legend indicates that the red line represents 140 Volt (V_{dc}), the blue line represents 75 Volt (V_{dc}), and the green line represents 48 Volt (V_{dc}). The red line also shows the Maximum power (Watt) at approximately 2.8 Krpm. The blue line shows the Maximum power (Watt) at approximately 1.5 Krpm. The green line shows the Maximum power (Watt) at approximately 0.9 Krpm.

Speed (Krpm)	140 Volt (V_{dc}) Torque (Nm)	75 Volt (V_{dc}) Torque (Nm)	48 Volt (V_{dc}) Torque (Nm)
0.1	2.7	2.7	2.7
0.3	2.6	2.5	2.4
0.6	2.5	2.3	2.2
0.9	2.4	2.1	1.9
1.2	2.3	1.9	1.4
1.5	2.2	1.7	1.1
1.8	2.1	1.4	0.8
2.1	2.0	1.2	-
2.4	1.9	1.0	-
2.7	1.8	0.8	-
3.0	1.7	0.6	-

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