

1

2

3

4

5

LIMITED ANGLE TORQUE MOTOR SPECIFICATIONS

Motor P/N	TWR-034-800-1RC	
Device Type	WR	
Stroke	34 degrees	0.59 radians
Radial Clearance	0.050 in	1.3 mm
Housed with Bearings	No	
Rotor Inertia	10.7 oz-in ²	2.0 E-4 kg-m ²
Total Mass	17.0 lbs	7700 grams
Resistance @ 20C	8.8 ohms	
Inductance @ 20C	26 mH	
Electrical Time Constant	2.95 msec	
Motor Constant	275 in-oz/sqrt(watt)	192 N-cm/sqrt(watt)
Torque Constant	795 in-oz/amp	555 N-cm/amp
Back EMF	0.55 V/rpm	5.5 V/rad/sec
Torque @ 100% Duty	1400 in-oz	980 N-cm
Power @ 100% Duty	25 watts	
Current @ 100% Duty	1.7 amps	
Torque @ 10% Duty	4200 in-oz	2900 N-cm
Power @ 10% Duty	230 watts	
Current @ 10% Duty	5.1 amps	

Note:

The specifications on this table are based on calculations and will be confirmed and/or modified with testing prior to shipment.



H2W Technologies, Inc.
Santa Clarita, CA 91350 USA
Tel: (661) 291-1620
www.h2wtech.com

These drawings and specifications are the property of H2W Technologies, Inc. They are issued in confidence and shall not be reproduced, copied, or used without written permission from H2W Technologies, Inc.

UNLESS SPECIFIED OTHERWISE:
All dimensions are in inches
Standard Tolerances are as follows
.XX ±.005 ANGLES ±.1°
.XX ±.010 FILLETS .010
.X ±.020 CORNERS .010
Remove All Burrs and Sharp Edges

**FOR
REFERENCE
ONLY**

MATERIAL

FINISH

TITLE

TWR-034-800-1RC

DWG # **80-0424**

REV **B**

DATE 11-13-19 SHEET 2 of 2