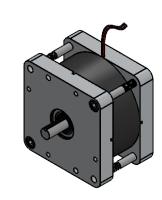


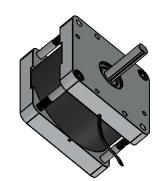
Black and Red Leads Connected Full Motor

LIMITED ANGLE TORQUE MOTOR SPECIFICATIONS			
Motor P/N	TMR-060-50-150-2H3		
Device Type	MR		
Stroke	60 degrees	1.05 radians	
Radial Clearance	0.025 in	0.6 mm	
Housed with Bearings	Yes		
Rotor Inertia	29.0 oz-in^2	5.2 E-4 kg-m^2	
Total Mass	8.4 lbs	3.8 kgs	
Resistance @ 20C	30 ohms		
Inductance @ 20C	29 mH		
Electrical Time Constant	1.0 msec		
Motor Constant	36 in-oz/sqrt(watt)	25 N-cm/sqrt(watt)	
Torque Constant	197 in-oz/amp	138 N-cm/amp	
Back EMF	1.4 V/rpm	14 V/rad/sec	
Torque @ 100% Duty	150 in-oz	105 N-cm	
Power @ 100% Duty	18 watts		
Current @ 100% Duty	0.8 amps		
Torque @ 10% Duty	450 in-oz	315 N-cm	
Power @ 10% Duty	160 watts		
Current @ 10% Duty	2.4 amps		

Red and White (CW) Black and White (CCW) Leads Connected Half Motor

LIMITED ANGLE TORQUE MOTOR SPECIFICATIONS			
Motor P/N	TMR-060-50-150-2H3 (HALF)		
Device Type	MR		
Stroke	60 degrees	1.05 radians	
Radial Clearance	0.025 in	0.6 mm	
Housed with Bearings	Yes		
Rotor Inertia	29.0 oz-in^2	5.2 E-4 kg-m^2	
Total Mass	8.4 lbs	3.8 kgs	
Resistance @ 20C	15 ohms		
Inductance @ 20C	15 mH		
Electrical Time Constant	1.0 msec		
Motor Constant	24 in-oz/sqrt(watt)	17 N-cm/sqrt(watt)	
Torque Constant	99 in-oz/amp	69 N-cm/amp	
Back EMF	1.4 V/rpm	14 V/rad/sec	
Torque @ 100% Duty	99 in-oz	69 N-cm	
Power @ 100% Duty	15 watts		
Current @ 100% Duty	1 amps		
Torque @ 10% Duty	300 in-oz	210 N-cm	
Power @ 10% Duty	135 watts		
Current @ 10% Duty	3 amps		





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

RELEASED FOR MANUFACTURING

5-4-23

MATERIAL FINISH

TMR-060-50-150-2H3 Specifications 80-0472

REV ---DATE 5-4-23 | SHEET 2 of 2