



SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		5.80
RESISTANCE/PHASE(Ohms)@20°C		0.62±0.1
INDUCTANCE/PHASE(mH)@1KHz		2±20%
HOLDING TORQUE(Nm)[lb-in]		3.5 [31.00]
STEP ANGLE(°)		1.80±5.00%
DYNAMIC AXIAL LOAD(N)		20.00
DYNAMIC RADIAL LOAD(N)@SHAFT LENGTH 20mm		110.00
ROTOR INERTIA(g-cm²)		840.00
WEIGHT(Kg)[lb]		1.46 [3.22]
RELIABILITY:MTBF 6000 HOURS OR MORE.@24V/300RPM		
TEMPERATURE RISE:MAX.80°C (MOTOR STANDSTILL;FOR 2PHASE ENERGIZED)		
AMBIENT TEMPERATURE -20°C~50°C[-4°F~122°F]		
INSULATION CLASS B 130°C[266°F]		
DIELECTRIC STRENGTH 500VAC FOR 1MIN.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE)		

TYPE OF CONNECTION (EXTERN)		MOTOR	
PIN NO	BIPOLAR	LEADS	WINDING
1	A —	WHT	A
2	A\ —	GRN	A\
3	B —	BLU	B
4	B\ —	BLK	B\

4-PIN QL16 MALE PLUG	1	2	3	4
LEAD COLOR	WHT	GRN	BLU	BLK

15-PIN DB MALE PLUG	1	2	3	11	12	13
LEAD COLOR	BLK	RED	WHT	YEL	GRN	BLU
DESCRIPTION	EA+	VCC	GND	EB+	EB-	EA-



APVD		3.30.2019
CHKD		
1:1.5	DRN	
SCALE	SIGNATURE	DATE

**STEPPER MOTOR**  
24HS33-5804D-E1000