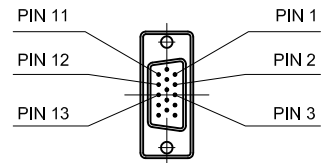


SPECIFICATION	CONNECTION	BIPOLAR
VOTAGE(VOC)		2.60
AMPS/PHASE		2.80
RESISTANCE/PHASE(Ohms)@25°C		0.90±10%
INDUCTANCE/PHASE(mH)@1KHz		2.50±20%
HOLDING TORQUE(Nm) w/o GEARBOX(Nm)[lb-in]		1.25[11.06]
GEAR RATIO		15 <sup>3</sup> / <sub>10</sub>
EFFICIENCY		81.00%
STEP ANGLE w/o GEARBOX(°)		1.80
BACKLASH@NO-LOAD		<=1.5°
MAX.PERMISSIBLE TORQUE(Nm)		30.00
MOMENT PERMISSIBLE TORQUE(Nm)		50.00
SHAFT MAXIMUM AXIAL LOAD(N)		100.00
SHAFT MAXIMUM RADIAL LOAD(N)		200.00
LEAD STYLE		FVR 4X0.5mm <sup>2</sup> CABLE
TEMPERATURE RISE:MAX.80°C (MOTOR STANDSTILL;FOR 2PHASE ENERGIZED )		
AMBIENT TEMPERATURE -10°C~50°C[14°F~122°F]		
INSULATION CLASS B 130°C[266°F]		

TYPE OF CONNECTION (EXTERN)		MOTOR	
PIN NO	BIPOLAR	LEADS	WINDING
1	A —	RED	A
2	C —	GRN	C
3	B —	YEL	B
4	D —	BLU	D

DB MALE PLUG



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		
CHKD		
1:1.5	DRN	
SCALE	SIGNATURE	DATE

**STEPPER MOTOR**  
**23HS22-2804D-PG15-E1000**