

# 42 Round SERIES BLDC Motor



## GENERAL SPECIFICATION

Winding type: Star
Hall effect angle: 120 degree electrical angle
Shaft run out: 0.025mm
Insulation Class: Class B
Dielectric strength:500VDC for one minute
Ambient temperature: -20—+40℃

## WIRE DIAGRAM

Lead No.	Lead Color	Lead Gauge	Function
1	RED	20AWG UL1569	Phase U
2	YEL		Phase V
3	BLA		Phase W
4	RED	26AWG UL1569	+5V
5	BLU		Hall A
5	GRE		Hall B
7	WHI		Hall C
8	BLA		GND

## ELECTRICAL SPECIFICATION

Model	42DMR67-2430	
Voltage	V	24
Number of poles		8
Rated power	W	40
No load speed	rpm	4000
Rated torque	Nm	0.13
Rated Speed	rpm	3000
Rated Current	A	2.4
Torque(max)	Nm	0.4
Torque Constant	Nm/A	0.055
Weight	Kg	0.43
Length	mm	67

## DIMENSIONS

