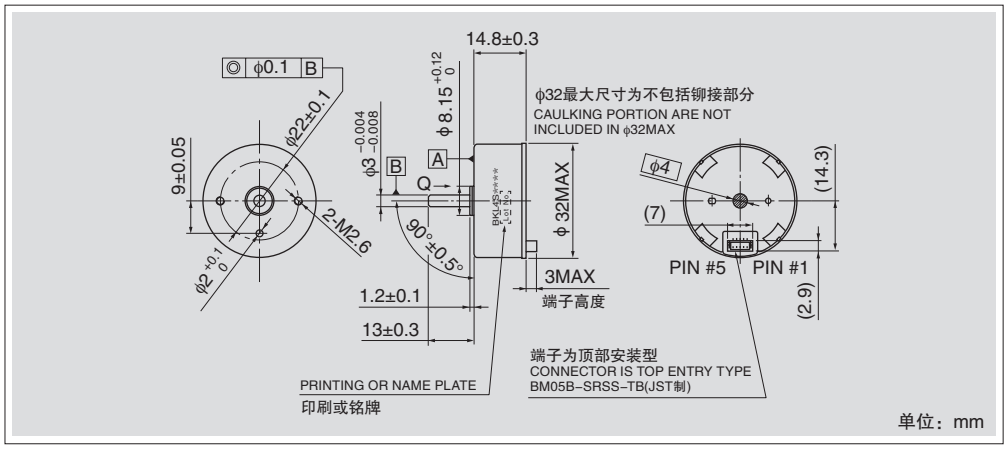
Minebea
Passion to Exceed Precision

NEW

BKL4



■ 外形尺寸(参考) Outside Dimension (Reference)

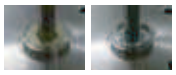


■ 该产品是对应客户需求的定制产品，详细规格及订货量请咨询本公司销售人员。
Please contact our sales for detail specification & order lot QTY. (All custom product by customer's requirement)

■ 3相外转子型DC无刷直流电机 /
3 Phase outer rotor type DC Brushless Motor
■ 内置驱动电路 / Driver circuit built-in

■ 产品特点 Characteristic

・轴承 / Bearing
　可选择含油轴承、滚珠轴承 / Can be select to Oil retaining bearing or Ball bearing



・连接 / Connection
　端子 / Connector



TOP TYPE
JST : BM05B-SRSS-TB
or
JCTC : 11002W00-5P-S

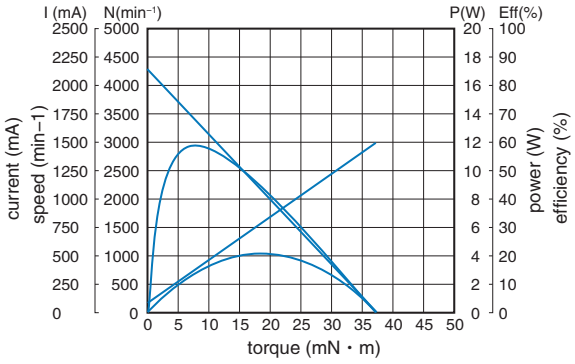
SIDE TYPE
JST : SM05B-SRSS-TB
or
JCTC : 11002W90-5P-S

・接口 / Interface (5 端子 / 5 terminals.)
　・Power Supply　… 4.5 ~ 26.4V
　・GND　…(机架短路 / Short to Frame)
　・FG　… 6 pulses per rotation, 5V, square-wave
　　The switchable 1FG or 1/2FG or 1/3FG
　・VSP or PWM　… Rotational speed adjustment terminal
　　VSP : 0V ~ 5V (1V> : stop, 4.4V< : Full acceleration)
　　PWM : 0 – 5V, 15 ~ 100kHz (ON-level : 2V ~ 5V) (Duty3%> : stop, Duty100%< : Full acceleration)
　・CW / CCW switch
　　0.8V> : CCW, 1.3V ~ 2.0V : Brake-mode, 2.5V< : CW

■ 典型特性 (12V 时) Major Characteristic Parameters (at 12V)

※可通过绕组调整 / Adjustable by winding

项目	典型特性
空载转速 No load speed	4300〔min^{-1}〕
最大效率 Starting torquey	60〔%〕(at 7mN・m)
最大效率时转速 Speed at maximal efficiency	3500〔min^{-1}〕
最大输出 Maximum output power	4.2〔W〕(at 18mN・m)
最大输出时转速 Speed at max output power	2200〔min^{-1}〕
寿命 (20℃时)	5000〔hour〕



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