

# PTFF-050SB

PRECIOUS METAL BRUSHED DC MICRO MOTOR



27Lx16Wx12mmH (1.06Lx0.63Wx0.47inH)

|                       |                                 |
|-----------------------|---------------------------------|
| VOLTAGE               | 1.0~11.5V                       |
| HOUSING LENGTH        | 26.7mm (1.05in)                 |
| WIDTH X HEIGHT        | 15.5mm x 12mm (0.61 x 0.47in)   |
| SHAFT LENGTH          | 39mm (1.54in)                   |
| SPEED (NO LOAD)       | 7500~7729 RPM                   |
| POWER (AT MAX EFF)    | 0.485~0.488W                    |
| TORQUE (AT MAX EFF)   | 7.3~7.6 g·cm (0.715~0.745 mN·m) |
| OPERATING TEMPERATURE | -20°C ~+60°C                    |
| WEIGHT                | 18g (0.04oz)                    |

| MODEL NUMBER     | VOLTAGE (V)     |         | NO LOAD   |           | AT MAXIMUM EFFICIENCY |           |             |             |          | STARTING    |             |           |
|------------------|-----------------|---------|-----------|-----------|-----------------------|-----------|-------------|-------------|----------|-------------|-------------|-----------|
|                  | OPERATING RANGE | NOMINAL | SPEED RPM | CURRENT A | SPEED RPM             | CURRENT A | TORQUE g·cm | TORQUE mN·m | OUTPUT W | TORQUE g·cm | TORQUE mN·m | CURRENT A |
| PTFF-050SB-11190 | 1.0~7.0         | 5.0     | 7500      | 0.038     | 6009                  | 0.156     | 7.6         | 0.745       | 0.488    | 38.2        | 3.74        | 0.634     |
| PTFF-050SB-09250 | 5.0~11.5        | 8.0     | 7729      | 0.023     | 6218                  | 0.096     | 7.3         | 0.715       | 0.485    | 37.3        | 3.65        | 0.398     |

