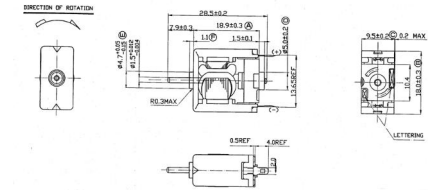




# MBA

## Motors - DC 18.9X18X9.5 mm



M-020 Series - 1 to 3 VDC - 3700 to 11000 RPM.

See Datasheets in PDF format. Link at bottom of this page.

Direction of rotation (CW = Clockwise, ACW = Anticlockwise) when looking towards shaft.

Weight Approx 9.5 grams.

This catalogue to be read in conjunction with information at <http://www.minibearings.com.au/ogue/tech/motors/>

## Motors - DC 18.9X18X9.5 mm

Part Number	Body Width x Thickness mm	Overall Length mm	Operating Voltage V	Nominal Voltage V	Shaft Size mm	Body Type	Current (No Load/Max Effic) amps	Speed (No Load/Max Efficiency) RPM	Direction	Torque (Max Effic/Stall) g-cm
M-020-1665-1.5V	18 x 9.5	25.500	1.0 ~ 1.5	1.5	1.5 x 3.80mm	Rectangular - Open	0.230 / 0.590	15000 / 11000	CW	2.20 / 8.00
		1.004								
M-020S-1665-1.5V	18 x 9.5	25.500	1.2 ~ 1.5	1.5	1.5 x 3.80mm	Rectangular - Open	0.170 / 0.530	11700 / 8800	CW	3.10 / 12.50
		1.004								
M-020S-12110-1.5V	18 x 9.5	25.500	1.5 ~ 3.0	1.5	1.5 x 3.80mm	Rectangular - Open	0.095 / 0.220	7100 / 4950	CW	1.90 / 6.50
		1.004								

# Indicates item not stocked at time of printing - Please enquire for lead time

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MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

## Motors - DC 18.9X18X9.5 mm

Part Number	Body Width x Thickness mm	Overall Length mm	Operating Voltage V	Nominal Voltage V	Shaft Size mm	Body Type	Current (No Load/Max Effic) amps	Speed (No Load/Max Efficiency) RPM	Direction	Torque (Max Effic/Stall) g-cm
M-020-12110-1.5V	18 x 9.5	25.500	1.2 ~ 1.5	1.5	1.5 x 3.80mm	Rectangular - Open	0.140 / 0.280	9200 / 6250	CW	1.40 / 4.50
		<i>1.004</i>								
M-020-09170-1.5V	18 x 9.5	25.500	1.5 ~ 3.0	1.5	1.5 x 3.80mm	Rectangular - Open	0.080 / 0.130	5700 / 3700	CW	0.80 / 2.20
		<i>1.004</i>								
M-020S-09170-3.0V	18 x 9.5	25.500	1.5 ~ 3.0	3.0	1.5 x 3.80mm	Rectangular - Open	0.065 / 0.180	9300 / 6650	CW	2.40 / 8.50
		<i>1.004</i>								

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