

# PTFS-180SM

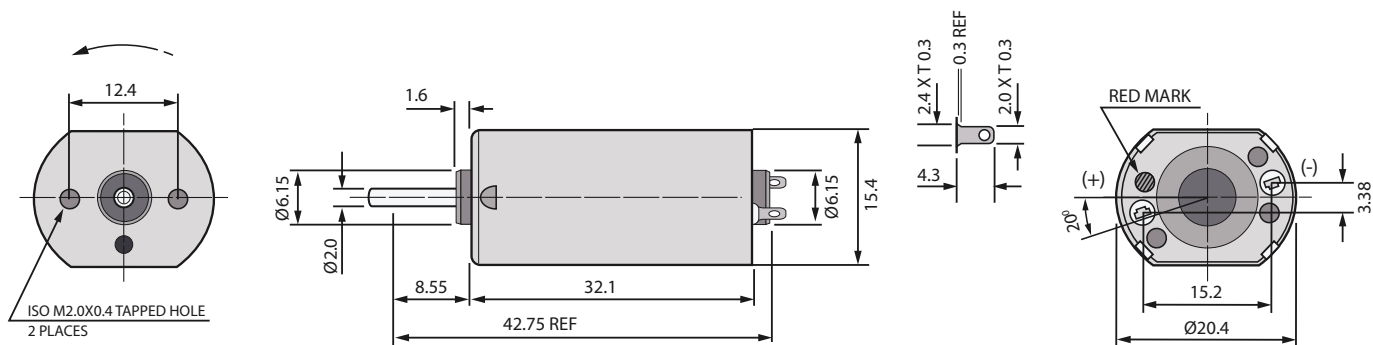
CARBON BRUSHED DC MICRO MOTOR



32Lx20Wx15mmH (1.26Lx0.79Wx0.59inH)

VOLTAGE	6.0~24.0V
HOUSING LENGTH	32.1mm (1.26in)
WIDTH X HEIGHT	20.4 x 15.4mm (0.80 x 0.61in)
SHAFT LENGTH	42.0mm (1.65in)
SPEED (NO LOAD)	4400~9200 RPM
POWER (AT MAX EFF)	0.39~1.58W
TORQUE (AT MAX EFF)	10.0~21.0 g·cm (0.98~2.06 mN·m)
OPERATING TEMPERATURE	-40°C ~+80°C
WEIGHT	32g (1.13oz)

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
PTFS-180SM-09450	12.0~24.0	12.0	4400	0.020	3800	0.07	10.0	0.98	0.39	67.0	6.57	0.32
		24.0	9200	0.025	7700	0.11	20.0	1.96	1.58	130.0	12.7	0.63
PTFS-180SM-17140	6.0~12.0	6.0	7800	0.085	6400	0.39	21.0	2.06	1.38	115.0	11.3	1.75



UNIT: mm

