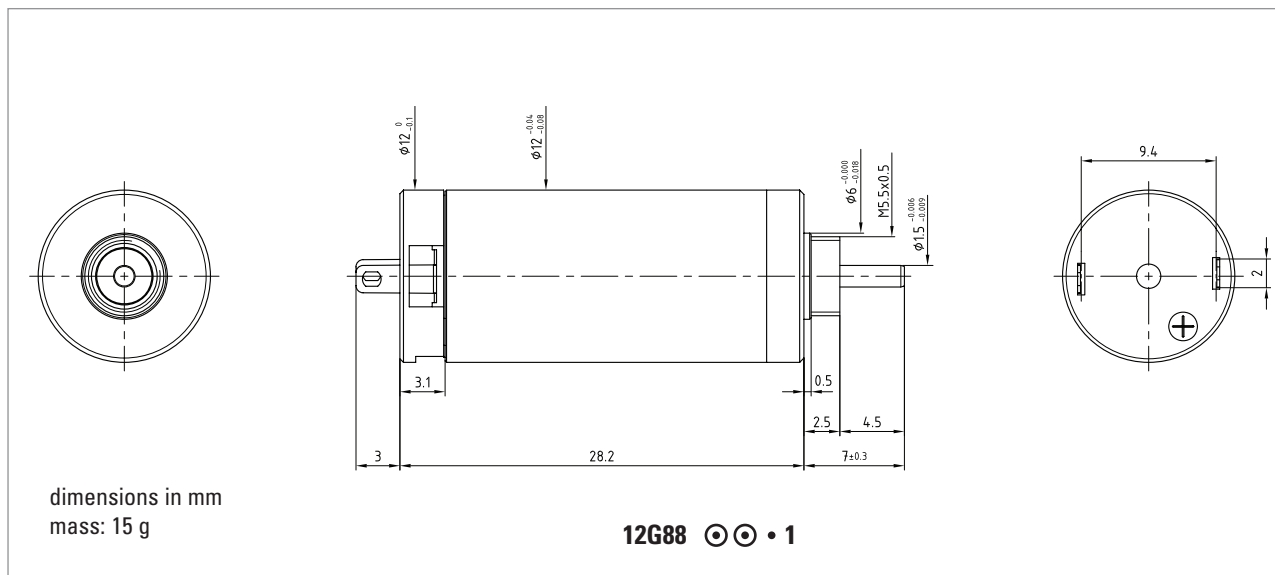


Precious Metal Commutation System - 9 Segments

2.5 Watt



Winding Type	☉☉	215E	211E
Measured Values			
Measuring voltage	V	4.5	9
No-load speed	rpm	8670	9895
Stall torque	mNm (oz.in)	6.8 (0.96)	7.7 (1.10)
Average No-load current	mA	16	9
Typical starting voltage	V	0.3	0.2
Max. Recommended Values			
Max. continuous current	A	0.75	0.43
Max. continuous torque	mNm (oz.in)	3.68 (0.52)	3.70 (0.52)
Max. angular acceleration	10 ³ rad/s ²	552	557
Intrinsic Parameters			
Back-EMF constant	V/1000 rpm	0.51	0.9
Torque constant	mNm/A (oz.in/A)	4.9 (0.69)	8.6 (1.22)
Terminal resistance	Ohms	3.2	9.9
Motor regulation R/k ²	10 ³ /Nms	133	134
Rotor inductance	mH	0.07	0.185
Rotor inertia	kgm ² 10 ⁻⁷	0.29	0.26
Mechanical time constant	ms	3.9	3.5

Executions			
		Single Shaft	With MR2
Gearbox	Page	12G88	12G88
R10	234	1003	1005
R13	235	1002	1004

- Thermal resistance : rotor-body 10°C/W
body-ambient 50°C/W
- Thermal time constant – rotor/stator: 6s / 300s
- Max. rated coil temperature: 100°C (210°F)
- Recom. Ambient temperature range: -30°C to +85°C (-22°F to +185°F)
- Viscous damping constant: 0.04 x 10⁻⁶ Nms
- Max axial static force for press-fit: 150N
- End play: ≤ 150 µm
Radial play: ≤ 30 µm
Shaft runout: ≤ 10 µm
- Max. side load at 5mm from mounting face – sleeve bearings 1.5 N
- Motor fitted with sleeve bearings (ball bearings optional)

Max. Recommended Speed

