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Tachogenerators

BATARDC16



Applications:

- Industrial Applications
- Machine Tools
- Robots

Features:

- Hollow shaft tachometer generator: Rotor / Stator Set
- Permanent Magnet Excitation
- Sturdy Machine
- Commutator on mounting side
- Mounted on smooth shaft

Characteristics:

DESCRIPTION:	VALUE:
MAX. SPEED	: 7500 RPM
MOMENT OF INERTIA	: 1.8 KG cm ²
NO-LOAD DRIVING TORQUE	: 0.5 N·cm
MAX. E.M.F	: 300 V
MAX. LINEARITY ERROR	: ≤ 0.15 % E _r
OVERALL RIPPLE RATE	: ≤ 0.6 % E _c
ROTATION HARMONICS	: ≤ 0.05 % E _c
SLOTS HARMONICS	: ≤ 0.55 % E _c
CALIBRATION PRECISION	: ± 2 % E _{To}
E.M.F TEMPERATURE DRIFT	
• NOT COMPENSATED	: 0.005 % /°C
• COMPENSATED	: -
TIME CONSTANT	: 0.7 ms
*FILTER:	
• TIME CONSTANT OF FILTER	: 0.1 ms
• LOAD CURRENT	: 1.5 mA
SPEED	: 3000 RPM

DESCRIPTION:	VALUE:
NUMBER OF POLES	: 4
ARMATURE SLOTS NUMBER	: 33
COMMUTATOR BLADES NUMBER	: 33
INSULATION CLASS	: B (IEC 34-1)
OPERATING TEMPERATURE	: -20° + 110 °C
CLIMATIC PROTECTION	: C _a (IEC 68-1)
INGRESS PROTECTION	: IP44 (IEC 34-5)
DIRECTION OF ROTATION	: Reversible
EXCITATION <i>Permanent Magnets</i>	: Alnico
WEIGHT	: 1.8 KG

Mechanical Options:

ARMATURE BORE ∅ d (MM)			MOTOR CENTERING END FRAME ∅ D (MM)			Armature clamping system
STANDARD	MAX.	MIN.	STANDARD	-	-	
16 ^{H7}	16	14	88	-	-	Expanding Device



Markings and polarity of terminals (cables) for counterclockwise rotation, seen from the shaft.

1 COMMUTATOR

A1: +
A2: -

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BirCraft
GEARED MOTORS - LINEAR ACTUATORS - CONTROLS

- Over 40 Years of Supplying Africa -

Electrical Options:

DESCRIPTION:	UNIT:	VALUES:					
E.M.F at 1 000 rpm	V	10	20	30	40	50	60
Voltage Gradient	V/RPM	0.01	0.02	0.03	0.04	0.05	0.06
Armature Resistance	Ω	8	33	73	130	200	290
Max Thermal Load	A	400	200	150	100	80	60
Max. Allowed Speed	RPM	7500	7500	7500	7500	6000	5000

Brushes:

QUANTITY:	DIMESNSION:	GRADE:
4	6.4 x 5 x 15	Electrographite
		Silver-graphite

Dimensions:

