

The **758 Series** of tachometers all use a multi-pole cylindrical magnet turning in a wound stator constructed from quality transformer iron lamination. Single phase output current is a sine wave over the speed range of the tachometer. These units have 100 ohm stators and are intended for voltage responsive systems. When greater accuracy is required, use a tachometer having a 32 ohm stator (designation F in the type number) and a frequency responsive indicating system. For speeds over 5,000 rpm, use the bearingless AC generators.

Square aluminum mounting pad with a dust proof aluminum alloy housing and 1/4" square drive dog. Mounting pad in accordance with military drawing AND 20005. Two binding posts for electrical connections. Approximate torque: 2.0 oz. in. starting, 2.0 oz. in. running (1000 rpm).

Type KB6 same as Type KB3 except method of electrical connection. Instead of binding posts, generator has a binding post cover box and an AN plug connector type AND 10066-12S-3P: The mating socket connector is an AN 3106-12S-3S (not supplied).

Type KB30—Same as Type KB3, but with a 3/16" square drive dog. Designed to operate only within protected environments.

SPECIFICATIONS

VOLTAGE OUTPUT AT 1000 RPM	10 Volts AC $\pm 1\%$ Per 1000 RPM Open Circuit	
ACCURACY	$\pm 1\%$	
EMF LINEARITY	Dependent Upon Load and Speed	
PERMISSIBLE CURRENT DRAIN	150 mA	
FREQUENCY AT 900 RPM	60 Hz Sine Wave	
ALLOWABLE END PLAY	0.005"	
MAX OPERATING TEMPERATURE	250°F	
INTERNAL RESISTANCE AT 25°C	Standard Unit 100	100 $\Omega \pm 1\%$
	F. Type Unit*	32 $\Omega \pm 20\%$
INSULATION	Insulation Class 105	
ROTOR	Alnico V, 8 Poles	
STATOR	8 Poles	
BEARINGS	Ball	
TEMPERATURE COEFFICIENT	Standard Unit	0.2% Per 10°C Change
	F. Type Unit*	Not Compensated, 0.4% Per 10°C Change
MIN. SPEED	500 RPM	
MAX. TOP SPEED	5000 RPM	
STARTING TORQUE	2.0-3.0 oz. ins.	
RUNNING TORQUE AT 1000 RPM	2.3 oz. ins.	
SHAFT DIAMETER	1/4" Square	
SHAFT CONNECTION	Direct	
SHAFT LENGTH	.47"	
ELECTRICAL CONNECTION	KB3	10-32 Studs
	KB6	AN Plug Connection
MOUNTING	Sq. AN Pad	
ENCLOSURE	Dust Resistant	
MEASUREMENTS	KB3	4.74"L x 2.82"H x 2.82"W
	KB6	5.11"L x 3.38"H x 2.82"W
WEIGHT	KB3	2.5 lbs. Approximate
	KB6	2.6 lbs. Approximate

*F-Type generators for use in frequency responsive systems only. any of the above types can be supplied for use in frequency systems



Pad Mounted (AN) Tachometer

ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
758-9907000	758 Type KB3 Tachometer for Voltage-Responsive Systems
758-9911000	758 Type KBF3 Tachometer for Frequency-Responsive Systems
758-9908000	758 Type KB6 Tachometer for Voltage-Responsive Systems
0136522-902	758 Type KBF6 Tachometer for Frequency-Responsive Systems
0134277-901	758 Type KB30 Tachometer for Voltage-Responsive Systems
0134277-903	758 Type KBF30 Tachometer for Frequency-Responsive Systems
ACCESSORIES	
AN3106-12S-3S	Mating Socket Connector

DIMENSIONS (INCHES/MILLIMETERS)

