

MR-5609

Pancake Resolver

The MR-5609 is a high accuracy Pancake Resolver, which was designed, developed and produced for military as well as highend industrial applications (see examples below). The Pancake Resolver converts mechanical position into an electrical signal. It can also, if combined with a servo-amplifier and an electromechanical or hydraulic drive, translate electrical signals into angular position.

Applications:

 Radars, Missile guidance, night vision pods, stabilized plat -forms, ball-screw / robotics positioning, remote video control, optical measurement, medical equipment (MRI, CT scanners) and wherever angle is measured.



Specifications

Parameters	Units	Values	Tolerances
Input voltage (Rotor primary)	VAC	26	± 10%
Frequency	kHz	2.5	± 25%
Angular range	deg.	360°	-
Transformation ratio	-	0.5	±10%
Phase shift	deg.	25	max
Null voltage	mV	30	max
Accuracy	arc∙min	±8	Peak-to-Peak
Primary current	mA	70	max
Resolver speed	-	x1	-
Weight	gr.	140	max
Temperature Range	C°	-60 to 120	-

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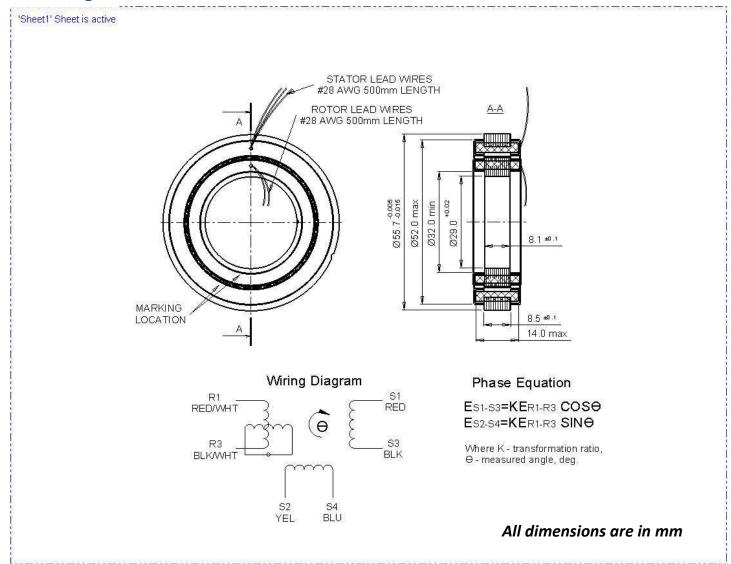
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Resolvers - Pancake Type

MR-5609 (continued)

Drawing



Direction of Rotation

 θ is positive for a CW rotation of the rotor as viewed from the rotor lead wires exit side.

For Additional Information

To learn more about the MR-9814 Pancake Resolver or other MTC products, contact MTC

on +972 4 998 7772 or email marketing@mtcind.com