

Z-15

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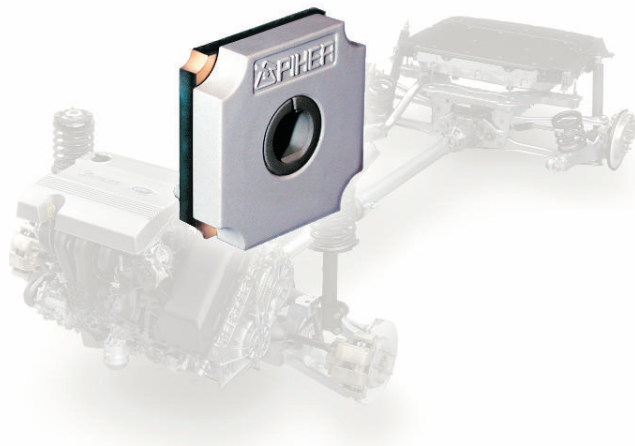
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Z-15

15mm Position Sensor

15mm rotary sensor for demanding applications



Z-15

Targeted for Powertrain and other Critical applications, the Z-15 has been specifically designed to be integrated within the existing final application (throttle body, air-intake valve...) to avoid the duplication of costs associated with the standard "bolt-on" alternatives that prevail in the marketplace.

Moreover, because of the cost effectiveness of the Z-15 solution, TRUE redundancy can be achieved employing two or more ganged Z-15's.

Mechanical Life: 2M cycles
Op. Temp. Range: -40°C to +120°C

2M cycles mechanical life!



FEATURES

- Long Life (2M cycles)
- Conceived and designed for customisation
- SMD or Through-hole Mount
- Endless Rotation (360°)
- Functional Electrical Angle: 90°
- Working Temperature Range (-40°C to +120°C)
- Low Profile (4.4 mm)
- Linearity ± 3% (standard)
- Embossed Tape or Bulk packaging
- Shaft insertable from both sides
- Polarised "T" rotor (European Home Appliance standard)
- All PT/ PTC 15 shafts compatible

STANDARD SPECIFICATIONS

Resistance values*:	5K
Tolerance:	± 30%
Nominal Power:	0.15 W @ 50°C
Linearity (absolute):	± 3%
Taper:	Linear
Mechanical Life:	2M cycles
Temperature Range:	-40°C to +120°C
Mechanical Angle:	360°
Electrical Angle:	110° ± 10°
Rotational Torque:	≤ 20 mN.m
Max. Voltage**:	27 VDC (5K value)

TYPICAL APPLICATIONS

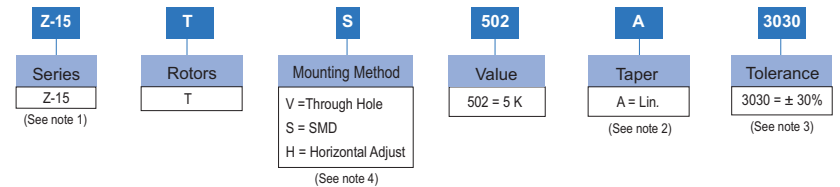
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(*) Others upon request

(**) Max. voltage is dependent on nominal power and resistance value.
 Max. voltage can not exceed 250VDC

HOW TO ORDER



NOTES:

- A wide variety of custom substrates available
- Availability of a wide range of customised tapers and step curves
- Optional precision laser-trimmed voltage divider calibration
- Horizontal adjust versions will be studied case by case

Rotor colour: black. Shafts are not available mounted to the potentiometer and should be ordered separately

NOTE: The information contained here should be used for reference purposes only.

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 extreme environments



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