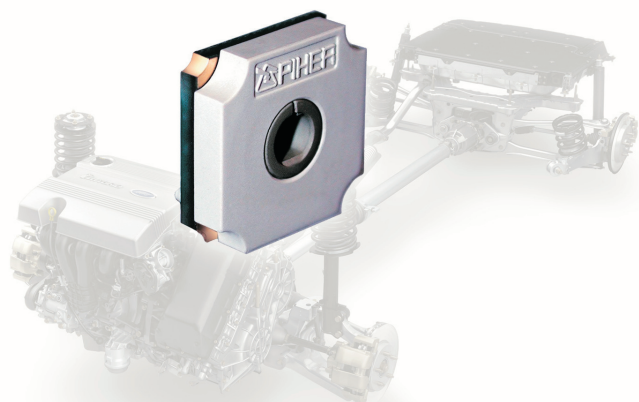


PIHER

PIHER

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
Electrical Angle: 90°



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

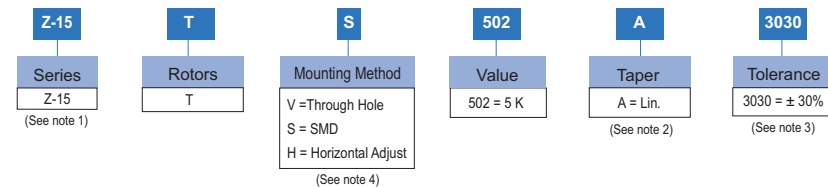
Resistance values*:	5k
Tolerance:	± 30%
Nominal Power:	0.15 W @ 50°C
Linearity (absolute):	± 3%
Taper:	Linear
Mechanical Life:	2M cycles
Temperature Range:	-40°C to +120°C
Mechanical Angle:	360°
Electrical Angle:	110° ± 10°
Rotational Torque:	≤ 20 mN.m
Max. Voltage:	250 VDC

(*) Others upon request

TYPICAL APPLICATIONS

- The Z15 series offers an SMD and Through Hole mount solution for the majority of **Position/Rotary Sensor** and **multi-purpose Control** applications such as:
- Automotive HVAC, Seat, Rear-view mirror actuator feedback sensors and HVAC Controls
 - Temperature Control for Boilers, Wall Heaters, Showers, Radiators, Conventional and Microwave Ovens, Freezers...
 - Timer & Function/Programme Select for Washing Machines, Dishwashers and all White Goods in general.
 - Size and Position detectors

HOW TO ORDER

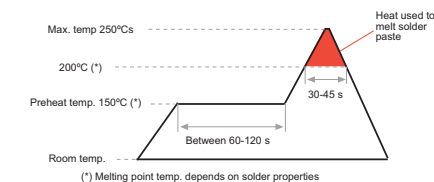


NOTES:

- (1) A wide variety of custom substrates available
 - (2) Availability of a wide range of customised tapers and step curves
 - (3) Optional precision laser-trimmed voltage divider calibration
 - (4) 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.

RoHS RECOMMENDED REFLOW PROFILE



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 smart engineering for
 extreme environments

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