

### “ZNR” Transient/Surge Absorbers

Type: **P**



ZNR Transient/Surge Absorber, Type P is a suitable device to protect various electric equipment and semiconductive devices from instantaneous over-voltages like switching surges and induced lightnings. The Type P is characterized by the unique construction of plug-in type with a deterioration indicator.

#### ■ Recommended Applications

Protection of semiconductor devices used for the electronic equipment includes:

- Broadcasting, communication equipment
- Traffic or railroad systems
- Automatic control devices for power distribution
- Waterworks
- Protection of motor coils, vacuum switches

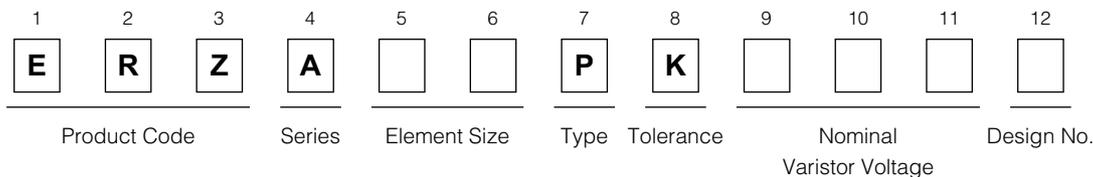
Note: Ask our factory for Product Specification before use.

#### ■ Minimum Quantity / Packing Unit

Please see Page 360

RoHS compliant

#### ■ Explanation of Part Numbers

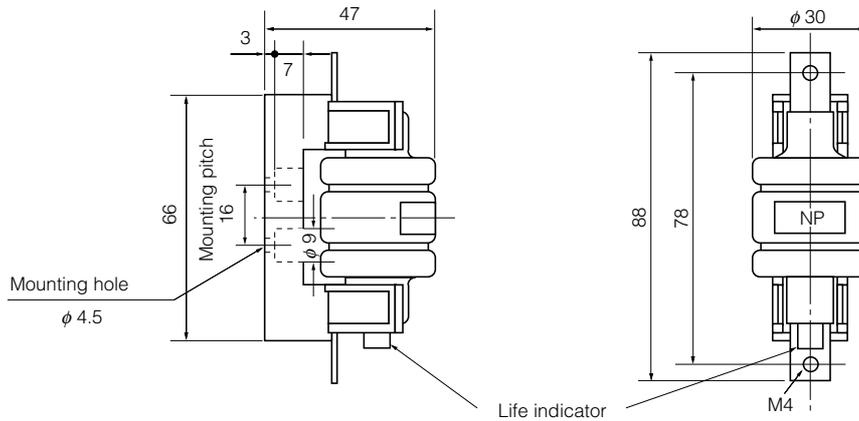


#### ■ Ratings and Characteristics

- Operating Temperature Range: -25 to 70 °C
- Storage Temperature Range: -25 to 70 °C

Part No.	Varistor Voltage	Maximum Allowable Voltage		Maximum Clamping Voltage	Maximum Peak Current (8/20 μs, 2 times)	Energy (2 ms, 1 time)	Typical Capacitance (Reference)
	V <sub>1 mA</sub> (V)	ACrms (V)	DC (V)	V <sub>100A</sub> (V)	(A)	(J)	@ 1 kHz (pF)
ERZA20PK251	250±10 %	130	180	410	5000	90	1200
ERZA20PK501	500±10 %	260	360	825	5000	150	600
ERZA20PK102	1000±10 %	520	730	1650	5000	240	300

■ Dimensions in mm (not to scale)



■ Typical Characteristics

**Voltage vs. Current** (ERA20PK251 to ERZA20PK102)

