

## Panasonic Industry solutions for Agriculture / Construction



### 【Benefit Points】

Hybrid capacitor, Resistor, Metal composite inductor, 6in1 Sensor

### Hybrid capacitor

#### High ripple capability for motor function

✓ Vibration proof

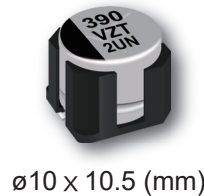
✓ AEC-Q200 compliant

✓ 125°C 4000 hrs

#### ZTU series

35 V / 390  $\mu$ F

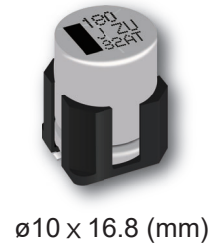
**3500** mArms



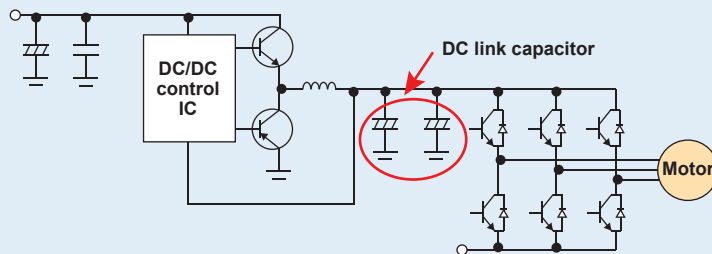
#### ZUU series

63 V / 180  $\mu$ F

**5500** mArms



Inverter circuit



### Resistor

Compatible with inverters, gate drivers, and current and voltage sensing circuits.

✓ Anti-Surge / Pulse



ERJP\*, ERJT\*, ERJB\* series

Gate resistor

✓ Superior heat dissipation by Wide-terminal



ERJB/D\* series

✓ Harsh-environment for Anti-sulfur series

ERJU/UP\* series : Thick film resistors, Anti-surge type

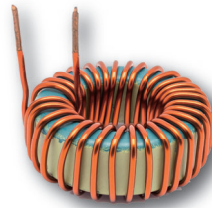
ERJC\* series : Thick film resistors, Wide-terminal type

ERA\*/V/K/P series : Thin film resistors

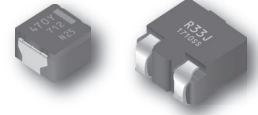
## Metal composite inductor

### Supporting higher current with smaller size

- ✓ Vibration proof
- ✓ Low DCR
- ✓ SMD

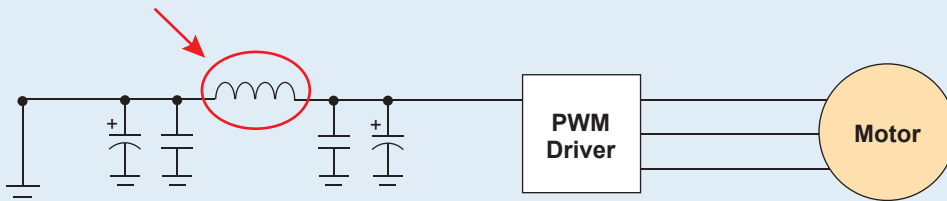


THD Rod core  
& Toroidal core types



Panasonic Industry  
Metal composite Inductor

Input filter coil



#### [Applications]

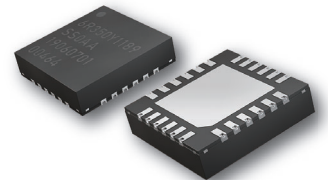
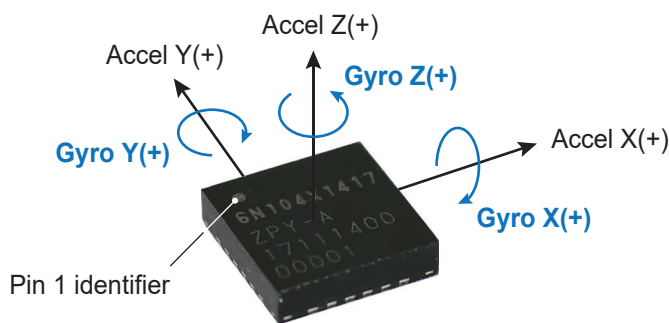
- Pump input filter
- Fan motor input filter
- EPS input filter

## 6in1 Sensor

EWTS5G series HP-Type

### ISO26262 compliant 6DoF inertial sensor

- ✓ 6DoF (3 acceleration and 3 gyro)



#### [Spec]

Item	EWTS5G-HP
Size (mm)	4.5 x 4.5 x 1.1
Operation temperature (°C)	-40 to +125
Operation voltage (V)	3.3±0.3 or 5.0±0.25
Data interface	SPI
Functional safety	Up to ASIL-D on system level

#### [Features]

- High shock resistance : 1500 G
- High vibration resistance : 50 G (20 Hz to 20 kHz)
- Wide selectable measurement range : up to ±16 [G], ±300 [dps]

#### [Applications]

- Detecting cutting edge position
- Detecting body posture