27501 Bella Vista Pkwy
Warrenville, IL 60555

03/09/2026

# Product Change Notice #032601

Type of Change:

- ☑ End of Life
- ☐ Material Change
- ☐ Facility Change
- ☐ Process Change
- ☐ Design Change
- ☐ Other

Part Series Affected: 60S Series

Description of Change: Ohmite is discontinuing our 60S series parts

Reason for Change: Due to low sales and issues with vendor sourcing, Ohmite has made the decision to discontinue our 60S series resistors. Ohmite is unable to fulfill any future orders, and backlog orders will be cancelled.

Effective Date: 3/9/2026

Date Last Time Buy: N/A

Date of Last Time Shipment: N/A

Recommended Replacement: Ohmite has many current sense solutions available in our product portfolio that could be used as an alternative to the 60S series. Reach out to Ohmite today to find out more about some of our current sense resistors.

For further technical questions related to this PCN, please contact dchakraborty@ohmite.com.

Best Regards,

Joe Misulonas
Marketing Director
jmisulonas@ohmite.com

# 60S Series

## Surface Mount
## Metal Plate Current Sense


## FEATURES

- Superior thermal expansion cycling
- Inductance less than 10 nanohenries
- Flameproof
- Solderable pads: Tin (Sn) plate
- Lead flexible for thermal expansion
- Low termination stress ("J" terminals)
- Shape provides cooler operation
- Custom values available

## APPLICATIONS

- Current sensing
- Low inductance
- AC applications
- Feedback

## SERIES SPECIFICATIONS

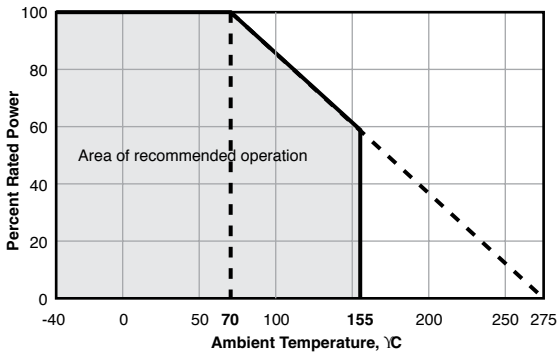
| Type | Tolerance | TCR (ppm/C°) | Power Rating (watts) | Resistance Values (Ω) | Rated Ambient Temp. (°C) | Operating Temp. Range (°C) | Qty./ Reel |
|---|---|---|---|---|---|---|---|
| 602SJR | ±5% | ±100 | 0.25 | 0.003, 0.005 | +70°C | -40 - +155 | 2000 |
| 605SJR *Discontinued** | ±5% | ±100 | 0.5 | 0.002, 0.0375, 0.005, 0.008 | +70°C | -40 - +155 | 2000 |
| 610SJR | ±5% | ±350 | 1 | 0.002, 0.003 | +85°C | -40 - +155 | 1500 |

* 605SJR discontinued March 2017, Specifications remain for reference only

## CHARACTERISTICS

| Parameter | Requirement | Test Method (JIS C 5202) |
|---|---|---|
| Resistance | Within regulated tolerance | 25°C |
| T.C.R. | Within specified T.C.R. | Room temperature/100°C up |
| Resistance to Solder Heat | ±2.0% | 350°C ± 10°C, 3 seconds |
| Solderability | 95% coverage minimum | 235°C ± 5°C, 5 seconds |
| Moisture Resistance | ±3.0% | 40°C, 90 - 95% RH, 1000 hours, no load |
| Moisture Resistance | ±5.0% | Power rating x 1/10, 40°C, 90 - 95% RH, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle |
| Load Life | ±5.0% | Rating voltage, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle |

### Derating



# 60S Series

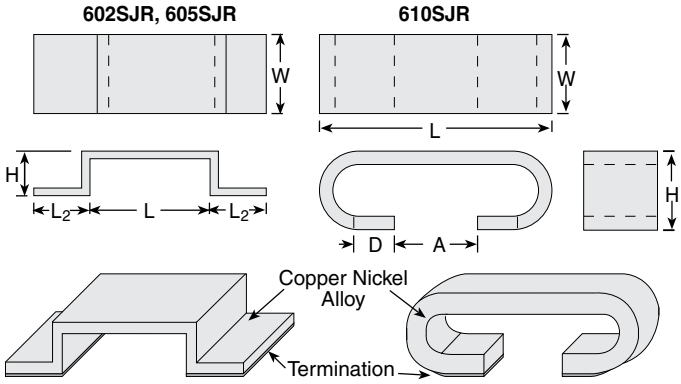
## Surface Mount
## Metal Plate Current Sense

## DIMENSIONS

inches (mm)

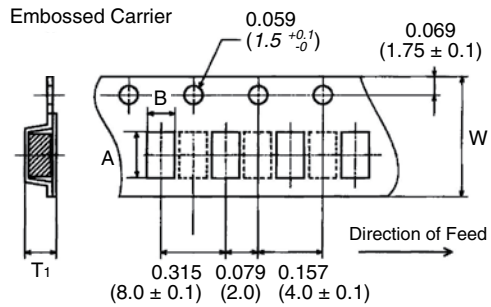
| | L | L2 | H | W |
|---|---|---|---|---|
| 602SJR | 0.39 ± .008 *(10.0 ± 0.2)* | 0.018 ± .008 *(2 ± 0.2)* | 0.024 *(0.6 ± 0.1)* | 0.118 ± .008 *(3.0 ± 0.2)* |
| 605SJR | 0.39 ± .008 *(10.0 ± 0.2)* | 0.018 ± .008 *(2 ± 0.2)* | 0.079 *(2 max.)* | 0.20 ± .008 *(5.2 ± 0.2)* |

| | L | H | D | A | W |
|---|---|---|---|---|---|
| 610SJR | 0.44 ± .016 *(11.2 ± 0.4)* | 0.137 ± .016 *(3.5 ± 0.4)* | 0.095 ± .010 *(2.35 ± 0.25)* | 0.189 ± .030 *(4.8 ± .75)* | 0.126 ± .016 *(3.2 ± 0.40)* |



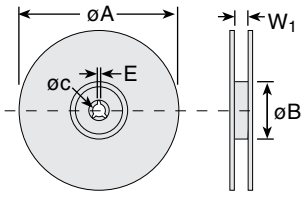

## PACKAGING SPECIFICATIONS

inches (mm)



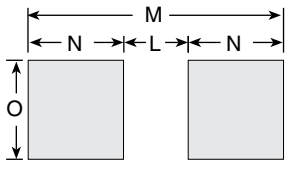

### Tape

| Type | A | B | W | T1 |
|---|---|---|---|---|
| 602SJR | 0.057 *(1.45 ± 0.2)* | 0.134 *(3.4 ± 0.2)* | 0.079 *(2.0)* | 0.098 *(2.5 ± 0.2)* |
| 605SJR | 0.057 *(1.45 ± 0.2)* | 0.224 *(5.7 ± 0.2)* | 0.079 *(2.0)* | 0.091 *(2.3 ± 0.2)* |
| 610SJR | 0.461 *(11.7 ± 0.1)* | 0.169 *(4.3 ± 0.1)* | 0.945 *(24.0 ± 0.2)* | ___ ___ |




### Reel

| Type | A | B | C | E | W1 | qty./reel |
|---|---|---|---|---|---|---|
| 602SJR 605SJR | 10.0 *(255 +0.0 -3.0)* | 3.15 *(80 +1.0 -0)* | 0.511 *(13.0 ±0.2)* | 0.079 *(2.0 ±0.5)* | 1.0 *(25.5 ± 2.0)* | 2000 |
| 610SJR | 12.99 *(330 ± 2.0)* | 3.94 *(100 ± 2.0)* | 0.511 *(13.0 ± 0.2)* | 0.079 *(2.0 ± 0.5)* | 1.0 *(25.5 ± 2.0)* | 1500 |




### Land pattern

| Type | M | N | O | L |
|---|---|---|---|---|
| 602SJR | 0.622 *(16.0)* | 0.118 *(3.0)* | 0.150 *(3.8)* | 0.394 *(10.0)* |
| 605SJR | 0.622 *(16.0)* | 0.118 *(3.0)* | 0.236 (6.0) | 0.394 *(10.0)* |
| 610SJR | 0.369 *(9.36)* | 0.121 *(3.07)* | 0.142 *(3.60)* | 0.127 *(3.22)* |

*Land pattern dimensions are for reference only*

## ORDERING INFORMATION

### Standard Part Numbers for 60S Series

| | **Wattage:** | 0.25 watt | 1 watt |
|---|---|---|---|
| **Ohms** | **Series:** | 602SJR | 610SJR |
| 0.00200Ω | | | 610SJR00200E-T |
| 0.00300Ω | | 602SJR00300E-T | 610SJR00300E-T |
| 0.00375Ω | | | |
| 0.00500Ω | | 602SJR00500E-T | |

RoHS Compliant

**602SJR00300E-T**

**Type & Power Rating**
*602S = 0.25 watt*
*605S = 0.5 watt*
*610S = 1 watt*

**Tolerance**
*J = 5%*

**Ohms**
*R00200 = 0.00200Ω*
*R00300 = 0.00300Ω*
*R00375 = 0.00375Ω*

**Packaging**
*T = tape and reel (optional)*

rev 12/17-2