

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

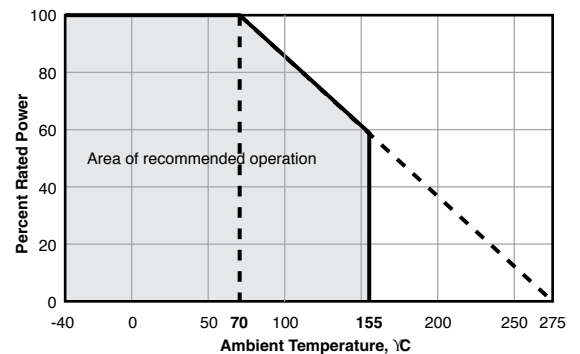
Type	Tolerance	TCR (ppm/C°)	Power Rating (watts)	Resistance Values (Ω)	Rated Ambient Temp. (°C)	Operating Temp. Range (°C)	Qty./ Reel
602SJR	±5%	±100	0.25	0.003, 0.005	+70°C	-40 - +155	2000
605SJR <i>Discontinued*</i>	±5%	±100	0.5	0.002, 0.0375, 0.005, 0.008	+70°C	-40 - +155	2000
610SJR	±5%	±350	1	0.002,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

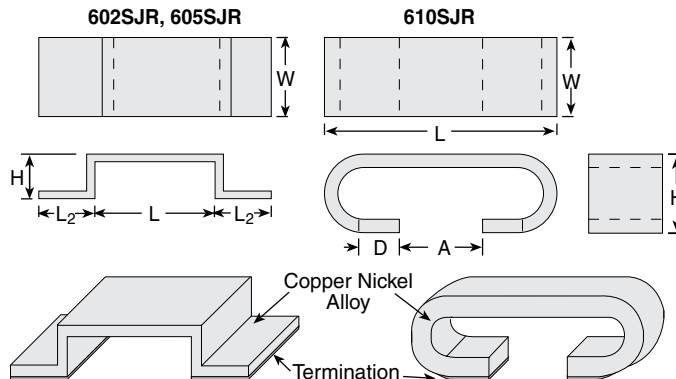
Surface Mount Metal Plate Current Sense

DIMENSIONS

inches (mm)

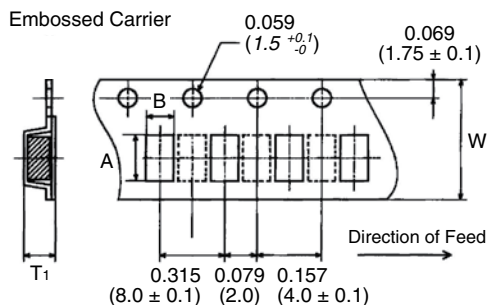
	L	L2	H	W
602SJR	0.39 ± .008 (10.0 ± 0.2)	0.018 ± .008 (2 ± 0.2)	0.024 (0.6 ± 0.1)	0.118 ± .008 (3.0 ± 0.2)
605SJR	0.39 ± .008 (10.0 ± 0.2)	0.018 ± .008 (2 ± 0.2)	0.079 (2 max.)	0.20 ± .008 (5.2 ± 0.2)

	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)



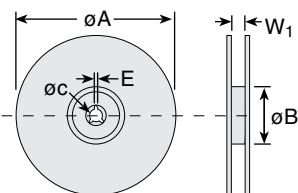
PACKAGING SPECIFICATIONS

inches (mm)



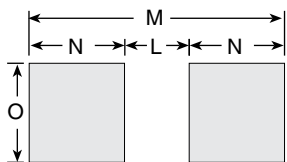
Tape

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	10.0	3.15	0.511	0.079	1.0	2000
605SJR	(255 ± 0.0 - 3.0)	(80 ± 1.0 - 0)	(13.0 ± 0.2)	(2.0 ± 0.5)	(25.5 ± 2.0)	
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

Ohms	Wattage:	Series:	Part Number
	0.25 watt	602SJR	602SJR00300E-T
	1 watt	610SJR	610SJR00200E-T
0.00200Ω			610SJR00300E-T
0.00300Ω			
0.00375Ω			
0.00500Ω			

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)