

<h1>Riedon Product Change Notice Form</h1>		Riedon PCN Number: 2021-01
		Page Number: 1 of 6
Submitted By: RIEDON, INC. 300 Cypress Avenue Alhambra, CA 91801		Customer: Various
Prepared By: Don Blankenburg	email: don@riedon.com	Date Prepared: 6/9/2021
Customer Part Number(s) & Description(s): Various	Riedon Part Number(s) & Description(s): Please see page 2, 3 and 4 for complete list of CSR models that will be affected by this notice along with recommended CSRL series substitutes.	
Description of Change: End of Life (EOL) notification for the CSR series of metal element, low ohm, chip resistors.		
Reason For Change: Material supply chain and overall process improvement		
Effective Date of Change: Last time buy (LTB) date of January 31, 2022. Orders after that date will not be accepted.		
Part Characteristics Affected: Please see page 5 and 6 for possible dimensional differences between the existing and suggested substitute parts.	Supportive Documentation Attached? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
Qualification Testing Performed/To be Performed: none	<input checked="" type="checkbox"/> Change is Permanent. <input type="checkbox"/> Change is for Fixed Quantity <input type="checkbox"/> Change applies to Customer PO	
Does the change affect the components ability to comply with REACH or RoHS requirements? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (if YES, describe in detail):	<i>Don Blankenburg</i> <hr/> Don Blankenburg, Sr. Product Engineer	

CSR series and the recommended CSRL replacement

Name	Part No	Recommended Substitute	Sub Part No
CSR1206 0.001 OHM 1% 50PPM	CSR1206-OR001F	none	
CSR1206 0.001 OHM 1% 50PPM	CSR1206-OR001F1	none	
CSR1206 0.001 OHM 1% 50PPM	CSR1206-OR001F9	none	
CSR1206 0.002 OHM 1% 50PPM	CSR1206-OR002F	none	
CSR1206 0.002 OHM 1% 50PPM	CSR1206-OR002F1	none	
CSR1206 0.002 OHM 1% 50PPM	CSR1206-OR002F9	none	
CSR1206 0.003 OHM 1% 50PPM	CSR1206-OR003F1	CSRL1 0.003 OHM 1% 75PPM	CSRL1-OR003F1
CSR1206 0.004 OHM 1% 50PPM	CSR1206-OR004F	CSRL1 0.004 OHM 1% 75PPM	CSRL1-OR004F1
CSR1206 0.004 OHM 1% 50PPM	CSR1206-OR004F1	CSRL1 0.004 OHM 1% 75PPM	CSRL1-OR004F1
CSR1206 0.004 OHM 1% 50PPM	CSR1206-OR004F1	CSRL1 0.004 OHM 1% 75PPM	CSRL1-OR004F8
CSR1206 0.004 OHM 1% 50PPM	CSR1206-OR004F9	CSRL1 0.004 OHM 1% 75PPM	CSRL1-OR004F9
CSR1206 0.005 OHM 1% 50PPM	CSR1206-OR005F	CSRL1 0.005 OHM 1% 75PPM	CSRL1-OR005F1
CSR1206 0.005 OHM 1% 50PPM	CSR1206-OR005F1	CSRL1 0.005 OHM 1% 75PPM	CSRL1-OR005F1
CSR1206 0.005 OHM 1% 50PPM	CSR1206-OR005F1	CSRL1 0.005 OHM 1% 75PPM	CSRL1-OR005F8
CSR1206 0.005 OHM 1% 50PPM	CSR1206-OR005F9	CSRL1 0.005 OHM 1% 75PPM	CSRL1-OR005F9
CSR1206 0.007 OHM 1% 50PPM	CSR1206-OR007F1	CSRL1 0.007 OHM 1% 75PPM	CSRL1-OR007F1
CSR1206 0.007 OHM 1% 50PPM	CSR1206-OR007F1	CSRL1 0.007 OHM 1% 75PPM	CSRL1-OR007F8
CSR1206 0.007 OHM 1% 50PPM	CSR1206-OR007F9	CSRL1 0.007 OHM 1% 75PPM	CSRL1-OR007F9
CSR1206 0.008 OHM 1% 50PPM	CSR1206-OR008F1	CSRL1 0.008 OHM 1% 50PPM	CSRL1-OR008F1
CSR1206 0.01 OHM 1% 50PPM	CSR1206-OR01F	CSRL1 0.01 OHM 1% 50PPM	CSRL1-OR01F2
CSR1206 0.01 OHM 1% 50PPM	CSR1206-OR01F1	CSRL1 0.01 OHM 1% 50PPM	CSRL1-OR01F2
CSR1206 0.01 OHM 1% 50PPM	CSR1206-OR01F9	CSRL1 0.01 OHM 1% 50PPM	CSRL1-OR01F9
CSR2010 0.007 OHM 1% 50PPM	CSR2010-OR007F9	none	
CSR2010 0.01 OHM 1% 50PPM	CSR2010-OR01F1	none	
CSR2512 0.003 OHM 1% 150PPM	CSR2512OR003F9	CSRL3 0.003 OHM 1% 75PPM	CSRL3-OR003F1
CSR2512 0.015 OHM 1% 50PPM	CSR2512OR015F	CSRL3 0.015 OHM 1% 50PPM	CSRL3-OR015F1
CSR2512 0.01 OHM 1% 75PPM	CSR2512OR01F	CSRL3 0.01 OHM 1% 75PPM	CSRL3-OR01F1
CSR2512 0.01 OHM 1% 75PPM	CSR2512OR01F	CSRL3 0.01 OHM 1% 75PPM	CSRL3-OR01F8
CSR2512 0.025 OHM 1% 50PPM	CSR2512OR025F	CSRL3 0.025 OHM 1% 50PPM	CSRL3-OR025F1
CSR2512 0.025 OHM 1% 50PPM	CSR2512OR025F	CSRL3 0.025 OHM 1% 50PPM	CSRL3-OR025F8
CSR2512 0.02 OHM 1% 50PPM	CSR2512OR02F	CSRL3 0.02 OHM 1% 50PPM	CSRL3-OR02F1
CSR2512 0.03 OHM 1% 50PPM	CSR2512OR03F	CSRL3 0.03 OHM 1% 50PPM	CSRL3-OR03F1
CSR2512 0.03 OHM 1% 50PPM	CSR2512OR03F	CSRL3 0.03 OHM 1% 50PPM	CSRL3-OR03F8
CSR2512 0.04 OHM 1% 50PPM	CSR2512OR04F	CSRL3 0.04 OHM 1% 50PPM	CSRL3-OR04F1
CSR2512 0.04 OHM 1% 50PPM	CSR2512OR04F	CSRL3 0.04 OHM 1% 50PPM	CSRL3-OR04F8
CSR2512 0.05 OHM 1% 50PPM	CSR2512OR05F	CSRL3 0.05 OHM 1% 50PPM	CSRL3-OR05F2
CSR2512 0.075 OHM 1% 50PPM	CSR2512OR075F	CSRL3 0.075 OHM 1% 50PPM	CSRL3-OR075F1
CSR2512 0.075 OHM 1% 50PPM	CSR2512OR075F	CSRL3 0.075 OHM 1% 50PPM	CSRL3-OR075F8
CSR2512 0.1 OHM 1% 50PPM	CSR2512OR1F	CSRL3 0.1 OHM 1% 50PPM	CSRL3-OR1F2
CSR2512A 0.0005 OHM 1% 50PPM	CSR2512AOR0005F	CSRL3 0.0005 OHM 1% 50PPM	CSRL3-OR0005F1
CSR2512A 0.0005 OHM 1% 50PPM	CSR2512AOR0005F	CSRL3 0.0005 OHM 1% 50PPM	CSRL3-OR0005F8
CSR2512A 0.0015 OHM 1%	CSR2512AOR0015F	CSRL3 0.0015 OHM 1% 50PPM	CSRL3-OR015F1
CSR2512A 0.001 OHM 1% 50PPM	CSR2512AOR001F1	CSRL3 0.001 OHM 1% 50PPM	CSRL3-OR001F1

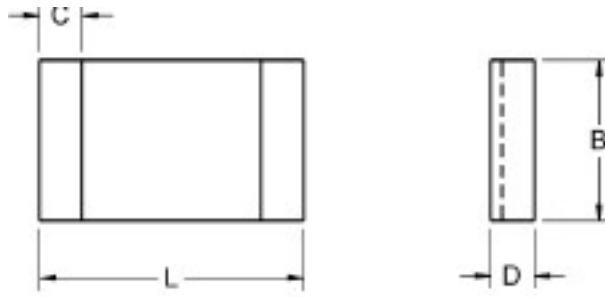


Name	Part No	Recommended Substitute	Sub Part No
CSR2512A 0.001 OHM 1% 50PPM	CSR2512A0R001F1	CSRL3 0.001 OHM 1% 50PPM	CSRL3-0R001F8
CSR2512A 0.001 OHM 5% 50PPM	CSR2512A0R001J1	CSRL3 0.001 OHM 5% 50PPM	CSRL3-0R001J1
CSR2512A 0.002 OHM 1% 50PPM	CSR2512A0R002F1	CSRL3 0.002 OHM 1% 50PPM	CSRL3-0R002F1
CSR2512A 0.002 OHM 1% 50PPM	CSR2512A0R002F1	CSRL3 0.002 OHM 1% 50PPM	CSRL3-0R002F8
CSR2512A 0.003 OHM 1% 150PPM	CSR2512A0R003F9	CSRL3 0.003 OHM 1% 50PPM	CSRL3-0R003F9
CSR2512A 0.005 OHM 1% 100PPM	CSR2512A0R005F9	CSRL3 0.005 OHM 1% 50PPM	CSRL3-0R005F9
CSR2512A 0.007 OHM 1% 50PPM G	CSR2512A0R007F	CSRL3 0.007 OHM 1% 50PPM	CSRL3-0R007F1
CSR2512A 0.007 OHM 1% 50PPM G	CSR2512A0R007F	CSRL3 0.007 OHM 1% 50PPM	CSRL3-0R007F8
CSR2512A 0.007 OHM 1% 50PPM G	CSR2512A0R007F9	CSRL3 0.007 OHM 1% 50PPM	CSRL3-0R007F9
CSR2512A 0.015 OHM 1% 50PPM	CSR2512A0R015F	CSRL3 0.015 OHM 1% 50PPM	CSRL3-0R015F1
CSR2512A 0.01 OHM 1% 50PPM G	CSR2512A0R01F	CSRL3 0.01 OHM 1% 50PPM	CSRL3-0R01F2
CSR2512A 0.01 OHM 1% 50PPM G	CSR2512A0R01F9	CSRL3 0.01 OHM 1% 50PPM	CSRL3-0R01F9
CSR2512A 0.025 OHM 1% 50PPM	CSR2512A0R025F	CSRL3 0.025 OHM 1% 50PPM	CSRL3-0R025F1
CSR2512A 0.025 OHM 1% 50PPM	CSR2512A0R025F	CSRL3 0.025 OHM 1% 50PPM	CSRL3-0R025F8
CSR2512A 0.02 OHM 1% 50PPM	CSR2512A0R02F	CSRL3 0.02 OHM 1% 50PPM	CSRL3-0R02F1
CSR2512A 0.03 OHM 1% 50PPM	CSR2512A0R03F	CSRL3 0.03 OHM 1% 50PPM	CSRL3-0R03F1
CSR2512A 0.03 OHM 1% 50PPM	CSR2512A0R03F	CSRL3 0.03 OHM 1% 50PPM	CSRL3-0R03F8
CSR2512A 0.04 OHM 1% 50PPM	CSR2512A0R04F	CSRL3 0.04 OHM 1% 50PPM	CSRL3-0R04F1
CSR2512A 0.04 OHM 1% 50PPM	CSR2512A0R04F	CSRL3 0.04 OHM 1% 50PPM	CSRL3-0R04F8
CSR2512A 0.05 OHM 1% 50PPM	CSR2512A0R05F	CSRL3 0.05 OHM 1% 50PPM	CSRL3-0R05F2
CSR2512A 0.075 OHM 1% 50PPM	CSR2512A0R075F	CSRL3 0.075 OHM 1% 50PPM	CSRL3-0R075F1
CSR2512A 0.075 OHM 1% 50PPM	CSR2512A0R075F	CSRL3 0.075 OHM 1% 50PPM	CSRL3-0R075F8
CSR2512A 0.1 OHM 1% 50PPM	CSR2512A0R1F	CSRL3 0.1 OHM 1% 50PPM	CSRL3-0R1F2
CSR2512B 0.004 OHM 1% 50PPM G	CSR2512B0R004F	CSRL3 0.004 OHM 1% 50PPM	CSRL3-0R004F1
CSR2512B 0.004 OHM 1% 50PPM G	CSR2512B0R004F	CSRL3 0.004 OHM 1% 50PPM	CSRL3-0R004F8
CSR2512B 0.004 OHM 1% 50PPM G	CSR2512B0R004F9	CSRL3 0.004 OHM 1% 50PPM	CSRL3-0R004F9
CSR2512B 0.005 OHM 1% 50PPM G	CSR2512B0R005F	CSRL3 0.005 OHM 1% 50PPM	CSRL3-0R005F2
CSR2512B 0.005 OHM 1% 50PPM G	CSR2512B0R005F9	CSRL3 0.005 OHM 1% 50PPM	CSRL3-0R005F9
CSR2512C 0.0005OHM 1% 100PPM G	CSR2512C0R0005F	CSRL3 0.0005 OHM 1% 50PPM	CSRL3-0R0005F2
CSR2512C 0.0015 OHM 1% 50PPM G	CSR2512C0R0015F	CSRL3 0.0015 OHM 1% 50PPM	CSRL3-0R0015F1
CSR2512C 0.0015 OHM 1% 50PPM G	CSR2512C0R0015F	CSRL3 0.0015 OHM 1% 50PPM	CSRL3-0R0015F8
CSR2512C 0.001 OHM 1% 50PPM G	CSR2512C0R001F	CSRL3 0.001 OHM 1% 50PPM	CSRL3-0R001F1
CSR2512C 0.001 OHM 1% 50PPM G	CSR2512C0R001F	CSRL3 0.001 OHM 1% 50PPM	CSRL3-0R001F8
CSR2512C 0.001 OHM 1% 50PPM G	CSR2512C0R001F9	CSRL3 0.001 OHM 1% 50PPM	CSRL3-0R001F9
CSR2512C 0.002 OHM 1% 50PPM G	CSR2512C0R002F	CSRL3 0.002 OHM 1% 50PPM	CSRL3-0R002F1
CSR2512C 0.002 OHM 1% 50PPM G	CSR2512C0R002F	CSRL3 0.002 OHM 1% 50PPM	CSRL3-0R002F8
CSR2512C 0.002 OHM 1% 50PPM G	CSR2512C0R002F9	CSRL3 0.002 OHM 1% 50PPM	CSRL3-0R002F9
CSR2512C 0.002 OHM 5% 50PPM	CSR2512C0R002J	CSRL3 0.002 OHM 5% 50PPM	CSRL3-0R002J1
CSR2512C 0.003 OHM 1% 50PPM G	CSR2512C0R003F	CSRL3 0.003 OHM 1% 50PPM	CSRL3-0R003F2
CSR2512C 0.015 OHM 1% 50PPM	CSR2512C0R015F	CSRL3 0.015 OHM 1% 50PPM	CSRL3-0R015F1
CSR2512C 0.015 OHM 1% 50PPM	CSR2512C0R015F	CSRL3 0.015 OHM 1% 50PPM	CSRL3-0R015F8
CSR2512C 0.01 OHM 1% 75PPM	CSR2512C0R01F	CSRL3 0.01 OHM 1% 75PPM	CSRL3-0R01F2
CSR2512C 0.01 OHM 1% 75PPM	CSR2512C0R01F	CSRL3 0.01 OHM 1% 75PPM	CSRL3-0R01F8
CSR2512C 0.025 OHM 1% 50PPM	CSR2512C0R025F	CSRL3 0.025 OHM 1% 50PPM	CSRL3-0R025F1
CSR2512C 0.025 OHM 1% 50PPM	CSR2512C0R025F	CSRL3 0.025 OHM 1% 50PPM	CSRL3-0R025F8
CSR2512C 0.02 OHM 1% 50PPM	CSR2512C0R02F	CSRL3 0.02 OHM 1% 50PPM	CSRL3-0R02F1



Name	Part No	Recommended Substitute	Sub Part No
CSR2512C 0.02 OHM 1% 50PPM	CSR2512COR02F	CSRL3 0.02 OHM 1% 50PPM	CSRL3-OR02F8
CSR2512C 0.03 OHM 1% 50PPM	CSR2512COR03F	CSRL3 0.03 OHM 1% 50PPM	CSRL3-OR03F1
CSR2512C 0.03 OHM 1% 50PPM	CSR2512COR03F	CSRL3 0.03 OHM 1% 50PPM	CSRL3-OR03F8
CSR2512C 0.04 OHM 1% 50PPM	CSR2512COR04F	CSRL3 0.04 OHM 1% 50PPM	CSRL3-OR04F1
CSR2512C 0.04 OHM 1% 50PPM	CSR2512COR04F	CSRL3 0.04 OHM 1% 50PPM	CSRL3-OR04F8
CSR2512C 0.05 OHM 1% 50PPM	CSR2512COR05F	CSRL3 0.05 OHM 1% 50PPM	CSRL3-OR05F2
CSR2512C 0.05 OHM 1% 50PPM	CSR2512COR05F	CSRL3 0.05 OHM 1% 50PPM	CSRL3-OR05F8
CSR2512C 0.068 OHM 1% 50PPM	CSR2512COR068F	CSRL3 0.068 OHM 1% 50PPM	CSRL3-OR068F1
CSR2512C 0.068 OHM 1% 50PPM	CSR2512COR068F	CSRL3 0.068 OHM 1% 50PPM	CSRL3-OR068F8
CSR2512C 0.075 OHM 1% 50PPM	CSR2512COR075F	CSRL3 0.075 OHM 1% 50PPM	CSRL3-OR075F1
CSR2512C 0.075 OHM 1% 50PPM	CSR2512COR075F	CSRL3 0.075 OHM 1% 50PPM	CSRL3-OR075F8
CSR2512C 0.1 OHM 1% 50PPM	CSR2512COR1F	CSRL3 0.1 OHM 1% 50PPM	CSRL3-OR1F2
CSR2512C 0.1 OHM 1% 50PPM	CSR2512COR1F	CSRL3 0.1 OHM 1% 50PPM	CSRL3-OR1F8
CSR2512C 1.5M 1% 50PPM	CSR2512C1M5F1	CSRL3 0.0015 OHM 1% 50PPM	CSRL3-OR0015F1
CSR2512C 1.5M 1% 50PPM	CSR2512C1M5F1	CSRL3 0.0015 OHM 1% 50PPM	CSRL3-OR0015F8
CSR2512C 0.0005OHM 1% 100PPM G	CSR2512CR0005F9	CSRL3 0.0005 OHM 1% 50PPM	CSRL3-OR0005F1
CSR2512C 0.00075OHM 1% 100PPMG	CSR2512CR00075F	CSRL3 0.00075 OHM 1% 50PPM	CSRL3-OR00075F1
CSR2512C 0.00075OHM 1% 100PPMG	CSR2512CR00075F	CSRL3 0.00075 OHM 1% 50PPM	CSRL3-OR00075F8
CSR2512C 0.0015 OHM 1% 50PPM G	CSR2512CR0015F9	CSRL3 0.0015 OHM 1% 50PPM	CSRL3-OR0015F1

CSRL Dimensions



Type	Resistance	Resistor Body			
	(mΩ)	L (mm)	B (mm)	C (mm)	D (mm)
CSRL1 (1206)	3 - 40	3.10±0.10	1.60±0.10	0.45±0.15	0.60±0.10
CSRL3 (2512)	0.5	6.35±0.254	3.18±0.254	1.30±0.38	1.25±0.20
	0.75	6.35±0.254	3.18±0.254	1.30±0.38	0.75±0.20
	1	6.35±0.254	3.18±0.254	1.30±0.38	0.65±0.20
	1.5	6.35±0.254	3.18±0.254	1.30±0.38	0.45±0.20
	2	6.35±0.254	3.18±0.254	1.30±0.38	0.35±0.20
	3 - 200	6.40±0.25	3.20±0.25	0.90±0.30	0.70±0.20

<https://riedon.com/media/pdf/CSRL.pdf>

CSR Dimensions

Part	Power Rating	Resistance Value	L (mm)	B (mm)	C (mm)	D (mm)
CSR1206	1	0.5	3.20±0.25	1.60±0.10	1.35±0.25	0.60±0.20
CSR1206	1	0.75	3.20±0.25	1.60±0.10	1.23±0.25	0.60±0.20
CSR1206	1	1, 4, 5, 6	3.20±0.25	1.60±0.10	1.10±0.25	0.60±0.20
CSR1206	1	2, 3, 10	3.20±0.25	1.60±0.10	0.60±0.25	0.60±0.20
CSR1206	1	7, 8, 9	3.20±0.25	1.60±0.10	0.90±0.25	0.60±0.20
CSR2010	1.5	0.5	5.08±0.25	2.54±0.15	2.17±0.25	0.60±0.20
CSR2010	1.5	0.75	5.08±0.25	2.54±0.15	2.04±0.25	0.60±0.20
CSR2010	1.5	1	5.08±0.25	2.54±0.15	1.84±0.25	0.60±0.20
CSR2010	1.5	2, 6, 7, 8	5.08±0.25	2.54±0.15	1.54±0.25	0.60±0.20
CSR2010	1.5	3	5.08±0.25	2.54±0.15	1.04±0.25	0.60±0.20
CSR2010	1.5	4, 5	5.08±0.25	2.54±0.15	1.84±0.25	0.60±0.20
CSR2010	1.5	9, 10	5.08±0.25	2.54±0.15	1.29±0.25	0.60±0.20
CSR2512	1	0.5	6.35±0.254	3.18±0.254	1.30±0.38	1.25±0.20
CSR2512	1	0.75	6.35±0.254	3.18±0.254	1.30±0.38	0.75±0.20
CSR2512	1	1	6.35±0.254	3.18±0.254	1.30±0.38	0.65±0.20
CSR2512	1	1.5	6.35±0.254	3.18±0.254	1.30±0.38	0.45±0.20
CSR2512	1	2	6.35±0.254	3.18±0.254	1.30±0.38	0.35±0.20
CSR2512	1	2.5	6.35±0.254	3.18±0.254	1.30±0.38	0.65±0.20
CSR2512	1	3	6.35±0.254	3.18±0.254	1.30±0.38	0.55±0.20
CSR2512	1	4	6.35±0.254	3.18±0.254	1.30±0.38	0.45±0.20
CSR2512	1	5	6.35±0.254	3.18±0.254	1.30±0.38	0.35±0.20
CSR2512	1	6	6.35±0.254	3.18±0.254	1.30±0.38	0.32±0.20
CSR2512	1	6.5	6.35±0.254	3.18±0.254	1.30±0.38	0.30±0.20
CSR2512	1	7	6.35±0.254	3.18±0.254	1.30±0.38	0.27±0.20
CSR2512 CSR2512A CSR2512C	1 to 3	10 - 100	6.40±0.25	3.20±0.25	0.90±0.30	0.70±0.20
CSR2512C	1 to 3	0.5	6.35±0.25	3.00±0.20	2.68±0.25	0.60±0.20
CSR2512C	1 to 3	0.75	6.35±0.25	3.00±0.20	2.48±0.25	0.60±0.20
CSR2512C	1 to 3	1, 5, 6	6.35±0.25	3.00±0.20	1.93±0.25	0.60±0.20
CSR2512C	1 to 3	1.5, 6.5, 7	6.35±0.25	3.00±0.20	1.43±0.25	0.60±0.20
CSR2512C	1 to 3	2, 3	6.35±0.25	3.00±0.20	1.18±0.25	0.60±0.20
CSR2512C	1 to 3	4, 4.5	6.35±0.25	3.00±0.20	2.18±0.25	0.60±0.20
CSR2512C	1 to 3	8 to 9	6.35±0.25	3.00±0.20	1.18±0.25	0.60±0.20