

Final Product/Material Change Notification Document #: V-AE19A1 of RS4LX Issue Date: 11.11 2019 PCN#:20191101RS4L

Title of Change:		RS4L package size change.		
Proposed first ship date		2020/Jan/1st		
Contact information:		Please contact Rectron Semiconductor Sales Office or visit www.rectron.com for nearest contact information. Please contact Rectron Semiconductor Sales Office or visit www.rectron.com for nearest contact information. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.		
Samples:				
Additional Reliability Data:		Please contact Rectron Semiconductor Sales Office or visit www.rectron.com for nearest contact information. This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change.		
Type of notification:		Rectron Semiconductor will consider this change accepted, unless an inquiry is made in writing within 30 days ofdelivery of this notice. To do so,Please visit www.rectron.com for nearest contact information		
Change Part Identification:		Model unchanged		
Change Category:		■Material □ Machine/Tooling □Method □Manufacture site □Man		
Change Sub-Category(s):		□ Manufacturing Site Transfer □ Datasheet/Product Doc change □ Manufacturing Process Change Shipping/Packaging/Marking □ Manufacturing Site Addition Other: ■Material Change □ Product specific change □ Doctor □ □		
Last order date for old parts		2020/Jan/31		
		This is the package changing notification announcing which RS40XL's case thickness 6.25+/-0.25mm to 5.75+/-0.25mm and the lead length from 19mm (Min.) to 17mm (Min). The drawing as the following illustration for reference. The experiment shown the device performance and reliability was not effected.		
Description and Purpose: Point:	Change	Before change Description After change Description		
①Case Thickness:	6.25+/-0.25mm(original spec) to 5.75+/-0.25mm(New spec) range:+/- 0.25mm	766 (16.5) 726 (16.5) 728 (16.5) 728 (16.5)		
②Lead length:	19mm to 17mm	560 (137) + AC - 660 (152) DIA - 668 (12) - 750 (160) OSS (2.1) -		
		Dimensions in inches and (millimeters)		

Reliability Data Summary:				
QV DEVICE NAME: RS407L				
Hi-real test	Sample size(PC)	Condition	ACC/REJ	
High Temperature Reverse Bias	22	Ta=150°C±5°C VR=800V. for 1000 Hrs.	ACC	
Thermal Fatigue Testing	22	ON: 300 sec / Off: 300 sec for 1000 cycles	ACC	
Solder resistance	22	260±5°C for 10±2 Sec.	ACC	
Thermal Shock	22	55°C±5°C/5MIN AND 150±5°C/5MIN for 100 cycles	ACC	
Electrical Characteristic		Floatrical sharesteristics are not impa	at a d	
Summary:		Electrical characteristics are not impacted		
List of Affected Parts:		Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customerspecific PCN addendum in the PCN email notification, or on the PCN Customized Portal.		
Part Number		Addition	Mark	
RS401L		Including to House #		
RS402L		Including to House #		
RS403L		Including to House #		
RS404L		Including to House #		
RS405L		Including to House #		
RS406L		Including to House #		
RS407L		Including to House #		
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