



Digi-Key Electronics

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Asahi Kasei Microdevices Corporation

Marketing & Sales Center

For the Stable Production of Hall IC and Hall Element Products

Due to the diversifying and expanding market, the demands on our Hall IC and Hall Element products are increasing. To cope with this situation, we are planning to change the material and its sourcing to improve the productivity and to stabilize delivery. Please see plan details below.

Additionally, we recommend customers to consider the Hall IC EW6 series as an alternative to the Hall IC EW4 series. This is due to the aging production lines and the difficulty of further expanding production capacity. We realize these changes may cause some inconvenience and we appreciate your understanding.

Sincerely,

Naoyuki Kurita

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Production Plan Details of Hall IC and Hall Element Products■ **EW610B Series**Details

- Adopt one more supplier.
- Change Hall element chip type and adopt only halogen free mold resin.
- No other change.
- Continue to use current IC with the additional IC as shown below

	Current	Change to	
IC	Current	Current	newly added
IC (Supplier)	Omron	Omron	Dongbu
Hall Elements	Type A	Type B※	
Hall Elements Production	AKM Fab1	AKM Fab1	
Package Type	3PinSOP	3PinSOP (No Change)	
Mold Resin	Halogen contained	Halogen Free	
Final Product Assembly Production, Test	AKM Fab1	AKM Fab1	
Specification	No Change	No Change	
Schedule (Target)			
•Sample Available	—	CY2023 Q1	
•Customer's Approval	—	CY2023 Q4	
•Shipment Start	—	CY2024 Q1	

※Same Hall Elements which sold over 7 billion pieces since 2004.

■ HW102A Series

Details

- Change Hall element chip type and adopt only halogen free mold resin
- No other change

	Current	Change to
Hall Elements	Type B	Type C
Hall Elements Production	AKM Fab1	AKM Fab1
Package Type	4PinSOP	4PinSOP (No Change)
Mold Resin	Halogen Free/ Halogen contained	Halogen Free [※]
Final Product Assembly Production, Test	AKM Fab1	AKM Fab1
Specification	No Change	No Change
Schedule (Plan)		
•Sample Available	—	June, 2022
•Customer's Approval	—	December, 2022
•Shipment Start	—	April, 2023

※Same halogen free mold resin as the current one

■ HW101A Series (Halogen Free)

Details

- Change Hall element chip type
- No other change

	Current	Change to
Hall Elements	Type B	Type C
Hall Elements Production	AKM Fab1	AKM Fab1
Package Type	4PinSOP	4PinSOP (No Change)
Final Product Assembly Production, Test	AKM Fab1	AKM Fab1
Specification	No Change	No Change
Schedule (Target)		
•Sample Available	—	CY2023 Q1
•Customer's Approval	—	CY2023 Q4
•Shipment Start	—	CY2024 Q1

■ HW108A Series (Halogen Free)

Details

- Change Hall element chip type
- No other change

	Current	Change to
Hall Elements	Type B	Type C
Hall Elements Production	AKM Fab1	AKM Fab1
Package Type	4PinSOP	4PinSOP (No Change)
Hall Elements Production	AKM Fab1	AKM Fab1
Final Product Assembly Production, Test	AKM Fab1	AKM Fab1
Specification	No Change	No Change
Schedule (Target)		
•Sample Available	—	CY2024 Q1
•Customer's Approval	—	CY2024 Q4
•Shipment Start	—	CY2025 Q1