



Final Product/Process Change Notification

Document #:FPCN25897X

Issue Date:24 Oct 2024

Title of Change:	New Mold Compound Qualification, New Die Source (AZ431L) for Optically Isolated Error Amplifier and Alternate Die Supply for Zero Crossing Triac	
Proposed First Ship date:	31 Jan 2025 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office or Esther.Lau@onsemi.com	
PCN Samples Contact:	Contact your local onsemi Sales Office. Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.	
Additional Reliability Data:	Contact your local onsemi Sales Office or ChangKit.Mok@onsemi.com	
Type of Notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. onsemi will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact PCN.Support@onsemi.com	
Marking of Parts/ Traceability of Change:	Changed material may be identified by date code.	
Change Category:	Assembly Change	
Change Sub-Category(s):	Material Change	
Sites Affected:		
onsemi Sites		External Foundry/Subcon Sites
None		- External Site not in list -

Description and Purpose:

1. To introduce new epoxy mold compound (EMC) suppliers to replace the existing epoxy mold compound from Supplier K:
All the part numbers listed in "List of affected part list" are affected by this change EXCEPT for part numbers listed in Table 1

Change table summary:

Current	After change
Supplier K	Supplier K or Supplier T or Supplier CC

Table 1: Part numbers not affected with mold compound change.

FODM3063	FODM3063R2	FODM3083	FODM3083R2
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2. To introduce a new die source for AZ431L- programmable shunt regulator for FOD271x series
Not all the affected part numbers listed in the PCN are affected by this change. Refer Table 2 for affected part numbers.

Change table summary:

Current	After change
Shunt Regulator Die: Die from Supplier A, in China Die size: 700 x 750 um	Shunt Regulator Die: Die from Supplier A, in China Die size: 700 x 750 um or Shunt Regulator Die: Die from Supplier B, in Czech Republic Die size: 710 x 1350 um

Table 2:

FOD2711A	FOD2711AS	FOD2711ASD	FOD2711ASDV
FOD2711ASV	FOD2711ATV	FOD2711AV	FOD2712A
FOD2712AR2	FOD2712AR2V	FOD2712AV	

3. To introduce a new die source for Zero Crossing Triac.
Not all the affected part numbers listed in the PCN are affected by this change. Refer Table 3 for affected part numbers.

Change table summary:

Current	After change
Die from Supplier C, in China Die size: 53 mil X 56 mil	Die from Supplier C, in China Die size: 53 mil X 56 mil or Die from Supplier TA in Taiwan Die size: 42.5 mils x 42.5 mils or Die from Supplier CR in China Die size: 45.3 mils x 42.1 mils

Table 3:

H11ZXM-9107	MOC3033SVM	MOC3043M	MOC3062SM	MOC3081SR2M	MOC3083SR2VM
MOC3031M	MOC3041M	MOC3043SM	MOC3062SR2M	MOC3081SR2VM	MOC3083SVM
MOC3031SM	MOC3041SM	MOC3043SR2M	MOC3062SR2VM	MOC3081SVM	MOC3083TVM
MOC3031SR2M	MOC3041SR2M	MOC3043SR2VM	MOC3062SVM	MOC3081TVM	MOC3083VM
MOC3032M	MOC3041SR2VM	MOC3043SVM	MOC3062TVM	MOC3081VM	MOC3162M
MOC3032SM	MOC3041SVM	MOC3043TVM	MOC3062VM	MOC3082M	MOC3162SM
MOC3032SR2M	MOC3041TVM	MOC3043VM	MOC3063M	MOC3082SM	MOC3162VM
MOC3032VM	MOC3041VM	MOC3061M	MOC3063SM	MOC3082SR2M	MOC3163M
MOC3033M	MOC3042M	MOC3061SM	MOC3063SR2M	MOC3082SR2VM	MOC3163SM
MOC3033SM	MOC3042SM	MOC3061SR2M	MOC3063SR2VM	MOC3082SVM	MOC3163SR2M
MOC3033SR2M	MOC3042SR2M	MOC3061SR2VM	MOC3063SVM	MOC3082TVM	MOC3163SR2VM
MOC3042TVM	MOC3042SR2VM	MOC3061SVM	MOC3063TVM	MOC3082VM	MOC3163TVM
MOC3042VM	MOC3042SVM	MOC3061TVM	MOC3063VM	MOC3083M	MOC3163VM
MOC3061VM	MOC3081M	MOC3083SM	MOC3062M	MOC3081SM	MOC3083SR2M
FODM3063	FODM3063R2	FODM3083	FODM3083R2		

Reason for change:

The qualification of the new epoxy mold compound and alternate die source ensures continuity of supply. There are no changes in the datasheet specifications as a result of this change.

Product incorporating the changes will be ship interchangeably with existing unchanged products.

Reliability Data Summary:

QV DEVICE NAME : FODM8801C

RMS / REF : 2312029412 (CC)

PACKAGE : MFP4

Test	Specification	Condition	Interval	Results
High Temperature Operating Life	JESD22-A108	Ta=125°C, Emitter and Detector bias	1008 hrs	0/240
High Temperature Storage Life	JESD22-A103	Ta= 150°C	1008 hrs	0/240
Preconditioning	J-STD-020 / JESD-A113	MSL 1 @ 245°C, Pre TC, THB and AC for surface mount type	-	0/720
Temperature Cycling	JESD22-A104	Ta= -40°C to +125°C	500 cyc	0/240
Temperature Humidity Bias	JESD22-A101	85°C, 85% RH, Emitter and Detector bias	1008 hrs	0/240
Autoclave	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/240



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QV DEVICE NAME : MOCD207R2M
RMS / REF : 2402031488 (CC)
PACKAGE : SOIC8

Test	Specification	Condition	Interval	Results
High Temperature Operating Life	JESD22-A108	Ta=100°C, Emitter and Detector bias	1008 hrs	0/240
High Temperature Storage Life	JESD22-A103	Ta= 125°C	1008 hrs	0/240
Preconditioning	J-STD-020 / JESD-A113	MSL 1 @ 260°C, Pre TC, THB and AC for surface mount type	-	0/720
Temperature Cycling	JESD22-A104	Ta= -40°C to +125°C	500 cyc	0/240
Temperature Humidity Bias	JESD22-A101	85°C, 85% RH, Emitter and Detector bias	1008 hrs	0/240
Autoclave	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/240

QV DEVICE NAME : CNY174SR2M
RMS / REF : 2402031395 (CC)
PACKAGE : PDIP6

Test	Specification	Condition	Interval	Results
High Temperature Operating Life	JESD22-A108	Ta=100°C, Emitter and Detector bias	1008 hrs	0/240
High Temperature Storage Life	JESD22-A103	Ta= 125°C	1008 hrs	0/240
Preconditioning	J-STD-020 / JESD-A113	MSL 1 @ 260°C, Pre TC, THB and AC for surface mount type	-	0/720
Temperature Cycling	JESD22-A104	Ta= -40°C to +125°C	500 cyc	0/240
Temperature Humidity Bias	JESD22-A101	85°C, 85% RH, Emitter and Detector bias	1008 hrs	0/240
Autoclave	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/240

QV DEVICE NAME : FOD3125SD
RMS / REF : 2402031396 (CC)
PACKAGE : PDIP8

Test	Specification	Condition	Interval	Results
High Temperature Operating Life	JESD22-A108	Ta=125°C, Emitter and Detector bias	1008 hrs	0/240
High Temperature Storage Life	JESD22-A103	Ta= 125°C	1008 hrs	0/240
Preconditioning	J-STD-020 / JESD-A113	MSL 1 @ 260°C, Pre TC, THB and AC for surface mount type	-	0/720
Temperature Cycling	JESD22-A104	Ta= -40°C to +125°C	500 cyc	0/240
Temperature Humidity Bias	JESD22-A101	85°C, 85% RH, Emitter and Detector bias	1008 hrs	0/240
Autoclave	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/240



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QV DEVICE NAME : FODM8801C
RMS / REF : 2312029412 (T)
PACKAGE : MFP4

Test	Specification	Condition	Interval	Results
High Temperature Operating Life	JESD22-A108	Ta=125°C, Emitter and Detector bias	1008 hrs	0/240
High Temperature Storage Life	JESD22-A103	Ta= 150°C	1008 hrs	0/240
Preconditioning	J-STD-020 / JESD-A113	MSL 1 @ 245°C, Pre TC, THB and AC for surface mount type	-	0/720
Temperature Cycling	JESD22-A104	Ta= -40°C to +125°C	500 cyc	0/240
Temperature Humidity Bias	JESD22-A101	85°C, 85% RH, Emitter and Detector bias	1008 hrs	0/240
Autoclave	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/240

QV DEVICE NAME : MOCD207R2M
RMS / REF : 2312029410 (T)
PACKAGE : SOIC8

Test	Specification	Condition	Interval	Results
High Temperature Operating Life	JESD22-A108	Ta=100°C, Emitter and Detector bias	1008 hrs	0/240
High Temperature Storage Life	JESD22-A103	Ta= 125°C	1008 hrs	0/240
Preconditioning	J-STD-020 / JESD-A113	MSL 1 @ 260°C, Pre TC, THB and AC for surface mount type	-	0/720
Temperature Cycling	JESD22-A104	Ta= -40°C to +125°C	500 cyc	0/240
Temperature Humidity Bias	JESD22-A101	85°C, 85% RH, Emitter and Detector bias	1008 hrs	0/240
Autoclave	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/240

QV DEVICE NAME : CNY174SR2M
RMS / REF : 2312029212 (T)
PACKAGE : PDIP6

Test	Specification	Condition	Interval	Results
High Temperature Operating Life	JESD22-A108	Ta=100°C, Emitter and Detector bias	1008 hrs	0/240
High Temperature Storage Life	JESD22-A103	Ta= 125°C	1008 hrs	0/240
Preconditioning	J-STD-020 / JESD-A113	MSL 1 @ 260°C, Pre TC, THB and AC for surface mount type	-	0/720
Temperature Cycling	JESD22-A104	Ta= -40°C to +125°C	500 cyc	0/240
Temperature Humidity Bias	JESD22-A101	85°C, 85% RH, Emitter and Detector bias	1008 hrs	0/240
Autoclave	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/240



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QV DEVICE NAME : FOD3125SD
RMS / REF : 2312029279 (T)
PACKAGE : PDIP8

Test	Specification	Condition	Interval	Results
High Temperature Operating Life	JESD22-A108	Ta=125°C, Emitter and Detector bias	1008 hrs	0/240
High Temperature Storage Life	JESD22-A103	Ta= 125°C	1008 hrs	0/240
Preconditioning	J-STD-020 / JESD-A113	MSL 1 @ 260°C, Pre TC, THB and AC for surface mount type	-	0/720
Temperature Cycling	JESD22-A104	Ta= -40°C to +125°C	500 cyc	0/240
Temperature Humidity Bias	JESD22-A101	85°C, 85% RH, Emitter and Detector bias	1008 hrs	0/240
Autoclave	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/240

QV DEVICE NAME : FOD2711AS
RMS / REF : 2210015859 /2301018393
PACKAGE : 8PW

Test	Specification	Condition	Interval	Results
High Temperature Operating Life	JESD22-A108	Ta=110°C, IF=16mA /IC=30mA bias	1008 hrs	0/240
High Temperature Storage Life	JESD22-A103	Ta= 150°C	1008 hrs	0/240
Preconditioning	J-STD-020 JESD-A113	MSL 1 @ 260°C, Pre TC, THB, and AC for surface mount type	-	0/720
Temperature Cycling	JESD22-A104	Ta= -40°C to +125°C	500 cyc	0/240
Temperature Humidity Bias	JESD22-A101	85°C, 85% RH, IF=16mA /IC=30mA bias	1008 hrs	0/240
Autoclave	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/240
Resistance to Solder Heat	JESD22- B106	Ta = 265°C, 10 sec Required for through hole devices only	-	0/30

QV DEVICE NAME : FOD2712A
RMS / REF : 2301018691
PACKAGE : SOIC8

Test	Specification	Condition	Interval	Results
High Temperature Operating Life	JESD22-A108	Ta=110°C, IF=16mA /IC=30mA bias	1008 hrs	0/160
High Temperature Storage Life	JESD22-A103	Ta= 150°C	1008 hrs	0/240
Preconditioning	J-STD-020 JESD-A113	MSL 1 @ 260°C, Pre TC, THB, and AC for surface mount type		0/640
Temperature Cycling	JESD22-A104	Ta= -40°C to +125°C	500 cyc	0/240
Temperature Humidity Bias	JESD22-A101	85°C, 85% RH, IF=16mA /IC=30mA bias	1008 hrs	0/160
Autoclave	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/240
Resistance to Solder Heat	JESD22- B106	Ta = 265°C, 10 sec Required for through hole devices only		0/30



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QV DEVICE NAME : MOC3083SM
RMS / REF : 2308025300 (CR)
PACKAGE : 6PW

Test	Specification	Condition	Interval	Results
High Temperature Operating Life	JESD22-A108	Ta=85°C, Emitter and Detector bias	1008 hrs	0/240
High Temperature Reverse Bias	JESD22-A108	Ta=100°C, Detector bias	1008 hrs	0/240
High Temperature Storage Life	JESD22-A103	Ta= 150°C	1008 hrs	0/240
Preconditioning	J-STD-020 / JESD-A113	MSL 1 @ 260°C, Pre TC, THB, H3TRB and AC for surface mount type	-	0/720
Temperature Cycling	JESD22-A104	Ta= -40°C to +125°C	500 cyc	0/240
Temperature Humidity Bias	JESD22-A101	85°C, 85% RH, Emitter and Detector bias	1008 hrs	0/240
High Temperature High Humidity Reverse Bias	JESD22-A101	85°C, 85% RH, Detector bias	1008 hrs	0/240
Autoclave	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/240
Resistance to Solder Heat	JESD22- B106	Ta ≥ 260°C, 10 sec	-	0/30

QV DEVICE NAME : MOC3083SM
RMS / REF : 2211017019 (TA)
PACKAGE : 6PW

Test	Specification	Condition	Interval	Results
High Temperature Operating Life	JESD22-A108	Ta=85°C, Emitter and Detector bias	1008 hrs	0/240
High Temperature Reverse Bias	JESD22-A108	Ta=100°C, Detector bias	1008 hrs	0/240
High Temperature Storage Life	JESD22-A103	Ta= 150°C	1008 hrs	0/240
Preconditioning	J-STD-020 / JESD-A113	MSL 1 @ 260°C, Pre TC, THB, H3TRB and AC for surface mount type	-	0/720
Temperature Cycling	JESD22-A104	Ta= -40°C to +125°C	500 cyc	0/240
Temperature Humidity Bias	JESD22-A101	85°C, 85% RH, Emitter and Detector bias	1008 hrs	0/240
High Temperature High Humidity Reverse Bias	JESD22-A101	85°C, 85% RH, Detector bias	1008 hrs	0/240
Autoclave	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/240
Resistance to Solder Heat	JESD22- B106	Ta ≥ 260°C, 10 sec	-	0/30

Electrical Characteristics Summary:

Electrical characteristics are not impacted.



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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 customer specific PCN addendum in the PCN email notification, or on the **PCN Customized Portal**.

Part Number	Qualification Vehicle
FODM3083R2	FODM3083
FODM3083	FODM3083
FODM3063R2	FODM3083
FODM3063	FODM3083
HCPL2730SM	FOD3125SD
HCPL2730SDM	FOD3125SD
HCPL2730M	FOD3125SD
HCPL2601VM	FOD3125SD
HCPL2601TVM	FOD3125SD
HCPL2601SM	FOD3125SD
HCPL2601SDM	FOD3125SD
HCPL2601M	FOD3125SD
TIL117VM	CNY174SR2M
TIL117SR2VM	CNY174SR2M
TIL117M	CNY174SR2M
TIL113SM	CNY174SR2M
TIL113M	CNY174SR2M
TIL111VM	CNY174SR2M
TIL111M	CNY174SR2M
MOCD223VM	MOCD207R2M
MOCD223R2VM	MOCD207R2M
MOCD223R2M	MOCD207R2M
MOCD223M	MOCD207R2M
MOCD217VM	MOCD207R2M
MOCD217R2VM	MOCD207R2M
MOCD217R2M	MOCD207R2M
MOCD217M	MOCD207R2M
MOCD213R2VM	MOCD207R2M
MOCD213R2M	MOCD207R2M



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MOCD213M	MOCD207R2M
MOCD211R2M	MOCD207R2M
MOCD211M	MOCD207R2M
MOCD208R2M	MOCD207R2M
MOCD208M	MOCD207R2M
MOCD207VM	MOCD207R2M
MOCD207R2VM	MOCD207R2M
MOCD207R2M	MOCD207R2M
MOCD207M	MOCD207R2M
MOCD207D2M	MOCD207R2M
MOC8204SR2M	CNY174SR2M
MOC8204SM	CNY174SR2M
MOC8204M	CNY174SR2M
MOC8106SR2VM	CNY174SR2M
MOC8106SR2M	CNY174SR2M
MOC8106SM	CNY174SR2M
MOC8106M	CNY174SR2M
MOC8050VM	CNY174SR2M
MOC8050TVM	CNY174SR2M
MOC8050SR2VM	CNY174SR2M
MOC8050SR2M	CNY174SR2M
MOC8050M	CNY174SR2M
MOC8021SM	CNY174SR2M
MOC8021M	CNY174SR2M
MOC3163VM	CNY174SR2M, MOC3083M
MOC3163TVM	CNY174SR2M, MOC3083M
MOC3163SR2VM	CNY174SR2M, MOC3083M
MOC3163SR2M	CNY174SR2M, MOC3083M
MOC3163SM	CNY174SR2M, MOC3083M
MOC3163M	CNY174SR2M, MOC3083M
MOC3162SM	CNY174SR2M, MOC3083M
MOC3162M	CNY174SR2M, MOC3083M
MOC3083VM	CNY174SR2M, MOC3083M
MOC3083TVM	CNY174SR2M, MOC3083M



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MOC3083SVM	CNY174SR2M, MOC3083M
MOC3083SR2VM	CNY174SR2M, MOC3083M
MOC3083SR2M	CNY174SR2M, MOC3083M
MOC3083SM	CNY174SR2M, MOC3083M
MOC3083M	CNY174SR2M, MOC3083M
MOC3082VM	CNY174SR2M, MOC3083M
MOC3082TVM	CNY174SR2M, MOC3083M
MOC3082SVM	CNY174SR2M, MOC3083M
MOC3082SR2VM	CNY174SR2M, MOC3083M
MOC3082SR2M	CNY174SR2M, MOC3083M
MOC3082SM	CNY174SR2M, MOC3083M
MOC3082M	CNY174SR2M, MOC3083M
MOC3081VM	CNY174SR2M, MOC3083M
MOC3081TVM	CNY174SR2M, MOC3083M
MOC3081SVM	CNY174SR2M, MOC3083M
MOC3081SR2VM	CNY174SR2M, MOC3083M
MOC3081SR2M	CNY174SR2M, MOC3083M
MOC3081SM	CNY174SR2M, MOC3083M
MOC3081M	CNY174SR2M, MOC3083M
MOC3073SVM	CNY174SR2M
MOC3073SR2VM	CNY174SR2M
MOC3073SR2M	CNY174SR2M
MOC3073SM	CNY174SR2M
MOC3073M	CNY174SR2M
MOC3072TVM	CNY174SR2M
MOC3072SVM	CNY174SR2M
MOC3072SR2VM	CNY174SR2M
MOC3072SM	CNY174SR2M
MOC3072M	CNY174SR2M
MOC3071TVM	CNY174SR2M
MOC3071SR2VM	CNY174SR2M
MOC3071SM	CNY174SR2M
MOC3071M	CNY174SR2M
MOC3063VM	CNY174SR2M, MOC3083M



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MOC3063TVM	CNY174SR2M, MOC3083M
MOC3063SVM	CNY174SR2M, MOC3083M
MOC3063SR2VM	CNY174SR2M, MOC3083M
MOC3063SR2M	CNY174SR2M, MOC3083M
MOC3063SM	CNY174SR2M, MOC3083M
MOC3063M	CNY174SR2M, MOC3083M
MOC3062VM	CNY174SR2M, MOC3083M
MOC3062TVM	CNY174SR2M, MOC3083M
MOC3062SVM	CNY174SR2M, MOC3083M
MOC3062SR2VM	CNY174SR2M, MOC3083M
MOC3062SR2M	CNY174SR2M, MOC3083M
MOC3062SM	CNY174SR2M, MOC3083M
MOC3062M	CNY174SR2M, MOC3083M
MOC3061VM	CNY174SR2M, MOC3083M
MOC3061TVM	CNY174SR2M, MOC3083M
MOC3061SVM	CNY174SR2M, MOC3083M
MOC3061SR2VM	CNY174SR2M, MOC3083M
MOC3061SR2M	CNY174SR2M, MOC3083M
MOC3061SM	CNY174SR2M, MOC3083M
MOC3061M	CNY174SR2M, MOC3083M
MOC3053SM	CNY174SR2M
MOC3053M	CNY174SR2M
MOC3052VM	CNY174SR2M
MOC3052TVM	CNY174SR2M
MOC3052SVM	CNY174SR2M
MOC3052SR2VM	CNY174SR2M
MOC3052SR2M	CNY174SR2M
MOC3052SM	CNY174SR2M
MOC3052M	CNY174SR2M
MOC3051VM	CNY174SR2M
MOC3051TVM	CNY174SR2M
MOC3051SR2VM	CNY174SR2M
MOC3051SR2M	CNY174SR2M
MOC3051SM	CNY174SR2M



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MOC3051M	CNY174SR2M
MOC3043VM	CNY174SR2M, MOC3083M
MOC3043TVM	CNY174SR2M, MOC3083M
MOC3043SVM	CNY174SR2M, MOC3083M
MOC3043SR2VM	CNY174SR2M, MOC3083M
MOC3043SR2M	CNY174SR2M, MOC3083M
MOC3043SM	CNY174SR2M, MOC3083M
MOC3043M	CNY174SR2M, MOC3083M
MOC3042VM	CNY174SR2M, MOC3083M
MOC3042TVM	CNY174SR2M, MOC3083M
MOC3042SVM	CNY174SR2M, MOC3083M
MOC3042SR2VM	CNY174SR2M, MOC3083M
MOC3042SR2M	CNY174SR2M, MOC3083M
MOC3042SM	CNY174SR2M, MOC3083M
MOC3042M	CNY174SR2M, MOC3083M
MOC3041VM	CNY174SR2M, MOC3083M
MOC3041TVM	CNY174SR2M, MOC3083M
MOC3041SVM	CNY174SR2M, MOC3083M
MOC3041SR2VM	CNY174SR2M, MOC3083M
MOC3041SR2M	CNY174SR2M, MOC3083M
MOC3041SM	CNY174SR2M, MOC3083M
MOC3041M	CNY174SR2M, MOC3083M
MOC3033SR2M	CNY174SR2M, MOC3083M
MOC3033SVM	CNY174SR2M, MOC3083M
MOC3033SM	CNY174SR2M, MOC3083M
MOC3033M	CNY174SR2M, MOC3083M
MOC3032VM	CNY174SR2M, MOC3083M
MOC3032SR2M	CNY174SR2M, MOC3083M
MOC3032SM	CNY174SR2M, MOC3083M
MOC3032M	CNY174SR2M, MOC3083M
MOC3031SR2M	CNY174SR2M, MOC3083M
MOC3031SM	CNY174SR2M, MOC3083M
MOC3031M	CNY174SR2M, MOC3083M
MOC3023VM	CNY174SR2M



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MOC3023TVM	CNY174SR2M
MOC3023SVM	CNY174SR2M
MOC3023SR2VM	CNY174SR2M
MOC3023SR2M	CNY174SR2M
MOC3023SM	CNY174SR2M
MOC3023M	CNY174SR2M
MOC3022VM	CNY174SR2M
MOC3022TVM	CNY174SR2M
MOC3022SR2VM	CNY174SR2M
MOC3022SR2M	CNY174SR2M
MOC3022SM	CNY174SR2M
MOC3022M	CNY174SR2M
MOC3021VM	CNY174SR2M
MOC3021TVM	CNY174SR2M
MOC3021SVM	CNY174SR2M
MOC3021SR2VM	CNY174SR2M
MOC3021SR2M	CNY174SR2M
MOC3021SM	CNY174SR2M
MOC3021M	CNY174SR2M
MOC3020VM	CNY174SR2M
MOC3020TVM	CNY174SR2M
MOC3020SR2M	CNY174SR2M
MOC3020SM	CNY174SR2M
MOC3020M	CNY174SR2M
MOC3012VM	CNY174SR2M
MOC3012TVM	CNY174SR2M
MOC3012SR2M	CNY174SR2M
MOC3012SM	CNY174SR2M
MOC3012M	CNY174SR2M
MOC3011SR2VM	CNY174SR2M
MOC3011SR2M	CNY174SR2M
H11G2TVM	CNY174SR2M
H11G2VM	CNY174SR2M
H11G2SR2VM	CNY174SR2M



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H11G2SR2M	CNY174SR2M
H11G2SM	CNY174SR2M
H11G2M	CNY174SR2M
H11G1TVM	CNY174SR2M
H11G1SR2VM	CNY174SR2M
H11G1SR2M	CNY174SR2M
H11G1SM	CNY174SR2M
H11G1M	CNY174SR2M
H11F3VM	CNY174SR2M
H11F3SVM	CNY174SR2M
H11F3SR2VM	CNY174SR2M
H11F3SR2M	CNY174SR2M
H11F3SM	CNY174SR2M
H11F3M	CNY174SR2M
H11F1VM	CNY174SR2M
H11F1TVM	CNY174SR2M
H11F1SR2M	CNY174SR2M
H11F1SM	CNY174SR2M
H11F1M	CNY174SR2M
H11D3SR2M	CNY174SR2M
H11D3SM	CNY174SR2M
H11D3M	CNY174SR2M
H11D1VM	CNY174SR2M
H11D1SR2VM	CNY174SR2M
H11D1SR2M	CNY174SR2M
H11D1SM	CNY174SR2M
H11D1M	CNY174SR2M
H11B1VM	CNY174SR2M
H11B1SR2VM	CNY174SR2M
H11B1SR2M	CNY174SR2M
H11B1SM	CNY174SR2M
H11B1M	CNY174SR2M
H11AV1VM	CNY174SR2M
H11AV1SR2VM	CNY174SR2M



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H11AV1SR2M	CNY174SR2M
H11AV1SM	CNY174SR2M
H11AV1M	CNY174SR2M
H11AV1AVM	CNY174SR2M
H11AV1AM	CNY174SR2M
H11AG1VM	CNY174SR2M
H11AG1SR2M	CNY174SR2M
H11AG1SM	CNY174SR2M
H11AG1M	CNY174SR2M
H11AA4VM	CNY174SR2M
H11AA4TVM	CNY174SR2M
H11AA4SVM	CNY174SR2M
H11AA4SR2VM	CNY174SR2M
H11AA4SR2M	CNY174SR2M
H11AA4SM	CNY174SR2M
H11AA4M	CNY174SR2M
H11AA1VM	CNY174SR2M
H11AA1TVM	CNY174SR2M
H11AA1SVM	CNY174SR2M
H11AA1SR2VM	CNY174SR2M
H11AA1SR2M	CNY174SR2M
H11AA1SM	CNY174SR2M
H11AA1M	CNY174SR2M
H11A1VM	CNY174SR2M
H11A1TVM	CNY174SR2M
H11A1SR2VM	CNY174SR2M
H11A1SR2M	CNY174SR2M
H11A1SM	CNY174SR2M
H11A1M	CNY174SR2M
FODM8801CV	FODM8801C
FODM8801CR2V	FODM8801C
FODM8801CR2	FODM8801C
FODM8801C	FODM8801C
FODM8801BV	FODM8801C



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FODM8801BR2V	FODM8801C
FODM8801BR2	FODM8801C
FODM8801B	FODM8801C
FODM8801AV	FODM8801C
FODM8801AR2V	FODM8801C
FODM8801AR2	FODM8801C
FODM8801A	FODM8801C
FODM8071R2	FODM8801C
FODM8071	FODM8801C
FODM8061V	FODM8801C
FODM8061R2V	FODM8801C
FODM8061R2	FODM8801C
FODM8061	FODM8801C
FODM611R2	FODM8801C
FODM611	FODM8801C
FODM453V	FODM8801C
FODM453R2V	FODM8801C
FODM453R2	FODM8801C
FODM453	FODM8801C
FODM452V	FODM8801C
FODM452R2V	FODM8801C
FODM452R2	FODM8801C
FODM452	FODM8801C
FOD8802DR2	MOCD207R2M
FOD8802D	MOCD207R2M
FOD8802AR2	MOCD207R2M
FOD8802A	MOCD207R2M
FOD8802CR2	MOCD207R2M
FOD8802C	MOCD207R2M
FOD8802BR2	MOCD207R2M
FOD8802B	MOCD207R2M
FOD8012R2	MOCD207R2M
FOD8012AR2	MOCD207R2M
FOD8012A	MOCD207R2M



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FOD8001R2	MOCD207R2M
FOD8001	MOCD207R2M
FOD3184V	FOD3125SD
FOD3184TV	FOD3125SD
FOD3184TSV	FOD3125SD
FOD3184TSR2V	FOD3125SD
FOD3184SV	FOD3125SD
FOD3184SDV	FOD3125SD
FOD3184SD	FOD3125SD
FOD3184S	FOD3125SD
FOD3184	FOD3125SD
FOD3182V	FOD3125SD
FOD3182TV	FOD3125SD
FOD3182TSV	FOD3125SD
FOD3182TSR2V	FOD3125SD
FOD3182SV	FOD3125SD
FOD3182SDV	FOD3125SD
FOD3182SD	FOD3125SD
FOD3182S	FOD3125SD
FOD3182	FOD3125SD
FOD3180TV	FOD3125SD
FOD3180TSV	FOD3125SD
FOD3180SV	FOD3125SD
FOD3180SDV	FOD3125SD
FOD3180SD	FOD3125SD
FOD3180S	FOD3125SD
FOD3180	FOD3125SD
FOD2743BTv	FOD3125SD
FOD2743BSV	FOD3125SD
FOD2743BV	FOD3125SD
FOD2743BS	FOD3125SD
FOD2743BSDV	FOD3125SD
FOD2743BSD	FOD3125SD
FOD2743B	FOD3125SD



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FOD2742BV	MOCD207R2M
FOD2742BR2V	MOCD207R2M
FOD2742BR2	MOCD207R2M
FOD2742B	MOCD207R2M
FOD2741BV	FOD3125SD
FOD2741BTv	FOD3125SD
FOD2741BSV	FOD3125SD
FOD2741BSDV	FOD3125SD
FOD2741BSD	FOD3125SD
FOD2741BS	FOD3125SD
FOD2741B	FOD3125SD
FOD2741AV	FOD3125SD
FOD2741ATV	FOD3125SD
FOD2741ASV	FOD3125SD
FOD2741ASDV	FOD3125SD
FOD2741ASD	FOD3125SD
FOD2741AS	FOD3125SD
FOD2741A	FOD3125SD
FOD2712AV	MOCD207R2M, FOD2712A
FOD2712AR2V	MOCD207R2M, FOD2712A
FOD2712AR2	MOCD207R2M, FOD2712A
FOD2712A	MOCD207R2M, FOD2712A
FOD2711AV	FOD3125SD, FOD2711A
FOD2711ASV	FOD3125SD, FOD2711A
FOD2711ASDV	FOD3125SD, FOD2711A
FOD2711ASD	FOD3125SD, FOD2711A
FOD2711AS	FOD3125SD, FOD2711A
FOD2711A	FOD3125SD, FOD2711A
FOD260LSV	FOD3125SD
FOD260LSDV	FOD3125SD
FOD260LSD	FOD3125SD
FOD260LS	FOD3125SD
FOD260L	FOD3125SD
FOD073LR2	MOCD207R2M



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FOD073L	MOCD207R2M
FOD0721R2	MOCD207R2M
FOD0721	MOCD207R2M
FOD0720R2	MOCD207R2M
FOD0720	MOCD207R2M
FOD0710R2	MOCD207R2M
FOD0710	MOCD207R2M
FOD060LR2	MOCD207R2M
FOD060L	MOCD207R2M
FOD053LR2	MOCD207R2M
FOD053L	MOCD207R2M
FOD050LR2	MOCD207R2M
FOD050L	MOCD207R2M
CNY17F4VM	CNY174SR2M
CNY17F4SVM	CNY174SR2M
CNY17F4TVM	CNY174SR2M
CNY17F4SR2VM	CNY174SR2M
CNY17F4SR2M	CNY174SR2M
CNY17F4SM	CNY174SR2M
CNY17F4M	CNY174SR2M
CNY17F3VM	CNY174SR2M
CNY17F3TVM	CNY174SR2M
CNY17F3SR2VM	CNY174SR2M
CNY17F3SR2M	CNY174SR2M
CNY17F3SM	CNY174SR2M
CNY17F3M	CNY174SR2M
CNY17F2VM	CNY174SR2M
CNY17F2TVM	CNY174SR2M
CNY17F2SVM	CNY174SR2M
CNY17F2SR2VM	CNY174SR2M
CNY17F2SR2M	CNY174SR2M
CNY17F2SM	CNY174SR2M
CNY17F2M	CNY174SR2M
CNY17F1VM	CNY174SR2M



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CNY17F1TVM	CNY174SR2M
CNY17F1SR2VM	CNY174SR2M
CNY17F1SR2M	CNY174SR2M
CNY17F1SM	CNY174SR2M
6N135SDM	FOD3125SD
6N135M	FOD3125SD
4N38VM	CNY174SR2M
4N38TVM	CNY174SR2M
4N38SR2M	CNY174SR2M
4N38SM	CNY174SR2M
4N38M	CNY174SR2M
4N37VM	CNY174SR2M
4N37TVM	CNY174SR2M
4N37SR2VM	CNY174SR2M
4N37SR2M	CNY174SR2M
4N37SM	CNY174SR2M
4N37M	CNY174SR2M
4N36SR2M	CNY174SR2M
4N36SM	CNY174SR2M
4N36M	CNY174SR2M
4N35VM	CNY174SR2M
4N35TVM	CNY174SR2M
4N35SVM	CNY174SR2M
4N35SR2VM	CNY174SR2M
4N35SR2M	CNY174SR2M
4N35SM	CNY174SR2M
4N35M	CNY174SR2M
4N33VM	CNY174SR2M
4N33TVM	CNY174SR2M
4N33SR2M	CNY174SR2M
4N33SM	CNY174SR2M
4N33M	CNY174SR2M
4N32VM	CNY174SR2M
4N32TVM	CNY174SR2M



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4N32SR2M	CNY174SR2M
4N32SM	CNY174SR2M
4N32M	CNY174SR2M
4N30SR2M	CNY174SR2M
4N30SM	CNY174SR2M
4N30M	CNY174SR2M
4N29SR2M	CNY174SR2M
4N29SM	CNY174SR2M
4N29M	CNY174SR2M
4N28SR2VM	CNY174SR2M
4N28SM	CNY174SR2M
4N28M	CNY174SR2M
4N27SR2M	CNY174SR2M
4N27SM	CNY174SR2M
4N27M	CNY174SR2M
4N26TVM	CNY174SR2M
4N26SR2M	CNY174SR2M
4N26SM	CNY174SR2M
4N26M	CNY174SR2M
4N25VM	CNY174SR2M
4N25TVM	CNY174SR2M
4N25SR2VM	CNY174SR2M
4N25SR2M	CNY174SR2M
4N25SM	CNY174SR2M
4N25M	CNY174SR2M
MOC3011SM	CNY174SR2M
MOC3011M	CNY174SR2M
MOC3010VM	CNY174SR2M
MOC3010SR2M	CNY174SR2M
MOC3010SM	CNY174SR2M
MOC3010M	CNY174SR2M
MOC256R2M	MOCD207R2M
MOC256M	MOCD207R2M
MOC223R2M	MOCD207R2M



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MOC223M	MOCD207R2M
MOC217R2VM	MOCD207R2M
MOC217R2M	MOCD207R2M
MOC217M	MOCD207R2M
MOC216R2VM	MOCD207R2M
MOC216R2M	MOCD207R2M
MOC216M	MOCD207R2M
MOC213R2M	MOCD207R2M
MOC213M	MOCD207R2M
MOC212R2M	MOCD207R2M
MOC212M	MOCD207R2M
MOC211VM	MOCD207R2M
MOC211R2VM	MOCD207R2M
MOC211R2M	MOCD207R2M
MOC211M	MOCD207R2M
MOC207VM	MOCD207R2M
MOC207R2VM	MOCD207R2M
MOC207R2M	MOCD207R2M
MOC207M	MOCD207R2M
MOC206R2M	MOCD207R2M
MOC206M	MOCD207R2M
MOC205R2VM	MOCD207R2M
MOC205R2M	MOCD207R2M
MOC205M	MOCD207R2M
MID400M	FOD3125SD
MID400VM	FOD3125SD
MID400TVM	FOD3125SD
MID400SVM	FOD3125SD
MID400SM	FOD3125SD
MID400SDVM	FOD3125SD
MID400SDM	FOD3125SD
MCT5211TVM	CNY174SR2M
MCT5211SR2M	CNY174SR2M
MCT5211M	CNY174SR2M



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MCT5210SM	CNY174SR2M
MCT5210M	CNY174SR2M
MCT2ESR2VM	CNY174SR2M
MCT2ESM	CNY174SR2M
MCT2EM	CNY174SR2M
HMHAA280V	FODM8801C
HMHAA280R2V	FODM8801C
HMHAA280R2	FODM8801C
HMHAA280	FODM8801C
HMHA281R2V	FODM8801C
HMHA281R4	FODM8801C
HMHA281R2	FODM8801C
HMHA281	FODM8801C
HMHA2801V	FODM8801C
HMHA2801R2V	FODM8801C
HMHA2801R2	FODM8801C
HMHA2801CR2	FODM8801C
HMHA2801C	FODM8801C
HMHA2801BR2	FODM8801C
HMHA2801B	FODM8801C
HMHA2801AV	FODM8801C
HMHA2801AR2V	FODM8801C
HMHA2801AR2	FODM8801C
HMHA2801A	FODM8801C
HMHA2801	FODM8801C
HCPL4503TSVM	FOD3125SD
HCPL4503TSR2VM	FOD3125SD
HCPL4503SVM	FOD3125SD
HCPL4503SM	FOD3125SD
HCPL4503SDVM	FOD3125SD
HCPL4503SDM	FOD3125SD
HCPL4503M	FOD3125SD
HCPL3700VM	FOD3125SD
HCPL3700SVM	FOD3125SD



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HCPL3700SM	FOD3125SD
HCPL3700SDVM	FOD3125SD
HCPL3700SDM	FOD3125SD
HCPL3700M	FOD3125SD
HCPL2731SM	FOD3125SD
HCPL2731VM	FOD3125SD
HCPL2731SDM	FOD3125SD
HCPL2731M	FOD3125SD
HCPL2631SM	FOD3125SD
HCPL2631SDM	FOD3125SD
HCPL2631VM	FOD3125SD
HCPL2631TVM	FOD3125SD
HCPL2631SVM	FOD3125SD
HCPL2631SDVM	FOD3125SD
HCPL2631M	FOD3125SD
HCPL2630SM	FOD3125SD
HCPL2630VM	FOD3125SD
HCPL2630SDVM	FOD3125SD
HCPL2630SDM	FOD3125SD
HCPL2630M	FOD3125SD
HCPL2611M	FOD3125SD
HCPL2611VM	FOD3125SD
HCPL2611TSR2VM	FOD3125SD
HCPL2611SVM	FOD3125SD
HCPL2611SDM	FOD3125SD
HCPL2531VM	FOD3125SD
HCPL2531SVM	FOD3125SD
HCPL2531SM	FOD3125SD
HCPL2531SDVM	FOD3125SD
HCPL2531SDM	FOD3125SD
HCPL2531M	FOD3125SD
HCPL2530SM	FOD3125SD
HCPL2530SDM	FOD3125SD
HCPL2530M	FOD3125SD



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HCPL0731R2	MOCD207R2M
HCPL0731	MOCD207R2M
HCPL0701V	MOCD207R2M
HCPL0701R2	MOCD207R2M
HCPL0701	MOCD207R2M
HCPL0700V	MOCD207R2M
HCPL0700R2	MOCD207R2M
HCPL0700	MOCD207R2M
HCPL0639R2	MOCD207R2M
HCPL0639	MOCD207R2M
HCPL0638R2	MOCD207R2M
HCPL0638	MOCD207R2M
HCPL0637R2	MOCD207R2M
HCPL0637	MOCD207R2M
HCPL062NR2	MOCD207R2M
HCPL062N	MOCD207R2M
HCPL0611R2	MOCD207R2M
HCPL0611	MOCD207R2M
HCPL0601V	MOCD207R2M
HCPL0601R2V	MOCD207R2M
HCPL0601R2	MOCD207R2M
HCPL0601	MOCD207R2M
HCPL0600R2	MOCD207R2M
HCPL0600	MOCD207R2M
HCPL0534R2	MOCD207R2M
HCPL0534	MOCD207R2M
HCPL0531R2	MOCD207R2M
HCPL0531	MOCD207R2M
HCPL0501R2V	MOCD207R2M
HCPL0501R2	MOCD207R2M
HCPL0501	MOCD207R2M
HCPL0500R2	MOCD207R2M
HCPL0500V	MOCD207R2M
HCPL0500	MOCD207R2M



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HCPL0453R2	MOCD207R2M
HCPL0453	MOCD207R2M
H11N1VM	CNY174SR2M
H11N1TVM	CNY174SR2M
H11N1SVM	CNY174SR2M
H11N1SR2VM	CNY174SR2M
H11N1SR2M	CNY174SR2M
H11N1SM	CNY174SR2M
H11N1M	CNY174SR2M
H11L3VM	CNY174SR2M
H11L3TVM	CNY174SR2M
H11L3SR2VM	CNY174SR2M
H11L3SR2M	CNY174SR2M
H11L3SM	CNY174SR2M
H11L3M	CNY174SR2M
H11L2VM	CNY174SR2M
H11L2TVM	CNY174SR2M
H11L2SVM	CNY174SR2M
H11L2SR2M	CNY174SR2M
H11L2SM	CNY174SR2M
H11L2M	CNY174SR2M
H11L1VM	CNY174SR2M
H11L1TVM	CNY174SR2M
H11L1SVM	CNY174SR2M
H11L1SR2VM	CNY174SR2M
H11L1SR2M	CNY174SR2M
H11L1SM	CNY174SR2M
H11L1M	CNY174SR2M
CNY17F1M	CNY174SR2M
CNY174VM	CNY174SR2M
CNY174TVM	CNY174SR2M
CNY174SVM	CNY174SR2M
CNY174SR2VM	CNY174SR2M
CNY174SR2M	CNY174SR2M



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CNY174SM	CNY174SR2M
CNY174M	CNY174SR2M
CNY173VM	CNY174SR2M
CNY173TVM	CNY174SR2M
CNY173SVM	CNY174SR2M
CNY173SR2VM	CNY174SR2M
CNY173SR2M	CNY174SR2M
CNY173SM	CNY174SR2M
CNY173M	CNY174SR2M
CNY172VM	CNY174SR2M
CNY172TVM	CNY174SR2M
CNY172SVM	CNY174SR2M
CNY172SR2VM	CNY174SR2M
CNY172SR2M	CNY174SR2M
CNY172SM	CNY174SR2M
CNY172M	CNY174SR2M
CNY171VM	CNY174SR2M
CNY171TVM	CNY174SR2M
CNY171SVM	CNY174SR2M
CNY171SR2VM	CNY174SR2M
CNY171SR2M	CNY174SR2M
CNY171SM	CNY174SR2M
CNY171M	CNY174SR2M
6N139VM	FOD3125SD
6N139SVM	FOD3125SD
6N139SM	FOD3125SD
6N139SDVM	FOD3125SD
6N139SDM	FOD3125SD
6N139M	FOD3125SD
6N138SM	FOD3125SD
6N138SDM	FOD3125SD
6N138M	FOD3125SD
6N137VM	FOD3125SD
6N137TVM	FOD3125SD



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6N137TSVM	FOD3125SD
6N137TSR2VM	FOD3125SD
6N137SVM	FOD3125SD
6N137SM	FOD3125SD
6N137SDVM	FOD3125SD
6N137SDM	FOD3125SD
6N137M	FOD3125SD
6N136VM	FOD3125SD
6N136TVM	FOD3125SD
6N136TSVM	FOD3125SD
6N136TSR2VM	FOD3125SD
6N136SVM	FOD3125SD
6N136SM	FOD3125SD
6N136SDVM	FOD3125SD
6N136SDM	FOD3125SD
6N136M	FOD3125SD
6N135VM	FOD3125SD
6N135SM	FOD3125SD
6N135SVM	FOD3125SD
6N135SDVM	FOD3125SD