

DESIGN/PROCESS CHANGE NOTIFICATION -- FINAL

This is to inform you that a design and/or process change will be made to the following product(s). This notification is for your information and concurrence.

If you require data or samples to qualify this change, please contact **Fairchild Semiconductor within 30 days of receipt of this notification.**

Updated process quality documentation, such as FMEAs and Control Plans, are available for viewing upon request.

If you have any questions concerning this change, please contact:

Technical Contact:

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PCN Originator:

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Implementation of change:

Expected 1st Device Shipment Date: 2011/02/06

Earliest Year/Work Week of Changed Product: 1107

Change Type Description: Alternate Fab Location

Description of Change (From): The emitter (LED) component currently supplied from a fabrication facility located in Japan. The detector component currently supplied from a fabrication facility located in Taiwan.

Description of Change (To): The emitter (LED) component supplied from an alternate fabrication facility located in Korea. The detector component supplied from an alternate fabrication facility located in Wuxi, China.

Reason for Change : Fairchild is qualifying alternate fabrication facilities to provide die supply flexibility and continuity. There will be no die design changes in either component. This change will have no impact on product quality, reliability, electrical, visual or mechanical performance and affected products will remain fully compliant to all published specifications. Products incorporating this change may be shipped interchangeably with existing unchanged products. Please contact your local Customer Quality Engineer within 30 days of receipt of this notification if you require any additional data or samples. This change is planned to take effect in 90 calendar days from the date of this notification. Please work with your local Fairchild Sales representative to manage your inventory of unchanged product if your evaluation of this change will require more than 90 calendar days.

Qual/REL Plan Number(s): Q20100036, Q20090729, Q20090738, Q20070351

Qual/REL Plan Numbers Q20100036, Q20090729, and Q20090738 apply to the passing qualification of the alternate fabrication facility for the emitter (LED) component. Qual/REL Plan Number Q20070351 applies to the passing qualification of the alternate fabrication facility for the detector component.

Qualification :

Passed

Results/Discussion for Qual Plan Number(s): Q20100036

Test: (High Temperature Op Life) Conditions: 110C Standard:					
Lot	Device	168-HOURS	500-HOURS	1000-HOURS	Failure Code
Q20100036AAHTOLA	FODM2705	0/77			
			0/77		
				0/77	
Q20100036ABHTOLA		0/77			
			0/77		
				0/77	
Q20100036ACHTOLA		0/77			
			0/77		
				0/77	
Q20100036ADHTOLA		0/77			
			0/77		
				0/77	
Test: (High Temperature Storage Life) Conditions: 150C Standard: JESD22-A103					
Lot	Device	168-HOURS	500-HOURS	1000-HOURS	Failure Code
Q20100036AAHTSLA		0/77			
			0/77		
				0/77	
Q20100036ABHTSLA		0/77			
			0/77		
				0/77	
Q20100036ACHTSLA		0/77			
			0/77		
				0/77	
Q20100036ADHTSLA		0/77			
			0/77		
				0/77	
Test: (Low Temperature Storage) Conditions: -40C Standard:					
Lot	Device	168-HOURS	500-HOURS	1000	Failure Code
Q20100036AALTSA		0/77			
			0/77		
				0/77	
Q20100036ABLTSA		0/77			
			0/77		
				0/77	
Q20100036ACLTSA		0/77			
			0/77		
				0/77	
Q20100036ADLTSA		0/77			
			0/77		
				0/77	
Test: (Power Cycle) Conditions: Delta 100CC, 2 Min cycle Standard: MIL-STD-750-1036					
Lot	Device	5000-CYCLES	10000-CYCLES	15000-CYCLES	Failure Code
Q20100036AAPRCLA		0/77			
			0/77		
				0/77	
Q20100036ABPRCLA		0/77			
			0/77		
				0/77	
Q20100036ACPRCLA		0/77			
			0/77		
				0/77	
Q20100036ADPRCLA		0/77			
			0/77		
				0/77	
Test: (Precondition) Conditions: Standard: JESD22-A113					
Lot	Device	Results		Failure Code	
Q20100036AAPCOPT01EA	FODM2705	0/385			

Q20100036ABPCOPT01EA	FODM2705	0/385			
Q20100036ACPCOPT01EA	FODM2705	0/385			
Q20100036ADPCOPT01EA	FODM2705	0/385			
Test: (Temperature Cycle) Conditions: -40C, 125C Standard: JESD22-A104					
Lot	Device	100-CYCLES	200-CYCLES	500	Failure Code
Q20100036AATMCL5A		0/77			
			0/77		
				0/77	
Q20100036ABTMCL5A		0/77			
			0/77		
				0/77	
Q20100036ACTMCL5A		0/77			
			0/77		
				0/77	
Q20100036ADTMCL5A		0/77			
			0/77		
				0/77	
Test: (Temperature Humidity Biased Test) Conditions: 85%RH, 85C, 5V Standard: JESD22-A101					
Lot	Device	168-HOURS	500-HOURS	1000-HOURS	Failure Code
Q20100036AATHBTA		0/77			
			0/77		
				0/77	
Q20100036ABTHBTA		0/77			
			0/77		
				0/77	
Q20100036ACTHBTA		0/77			
			0/77		
				0/77	
Q20100036ADTHBTA		0/77			
			0/77		
				0/77	

Results/Discussion for Qual Plan Number(s): Q20090729

Test: (High Temperature Op Life) Conditions: 100C Standard:						
Lot	Device	168-HOURS	500-HOURS	1000-HOURS	1500	Failure Code
Q20090729AAHTOLA	H11G1M	0/77				
			0/77			
				0/77		
					0/77	
Q20090729ABHTOLA		0/77				
			0/77			
				0/77		
					0/77	
Q20090729ACHTOLA		0/77				
			0/77			
				0/77		
					0/77	
Q20090729ADHTOLA		0/77				
			0/77			
				0/77		
					0/77	
Test: (High Temperature Storage Life) Conditions: 150C Standard: JESD22-A103						
Lot	Device	168-HOURS	500-HOURS	1000-HOURS		Failure Code
Q20090729AAHTSLA		0/77				
			0/77			
				0/77		
Q20090729ABHTSLA		0/77				
			0/77			
				0/77		
Q20090729ACHTSLA		0/77				
			0/77			
				0/77		
Q20090729ADHTSLA		0/77				
			0/77			
				0/77		

Test: (Low Temperature Storage) Conditions: -40C Standard:					
Lot	Device	168-HOURS	500-HOURS	1000	Failure Code
Q20090729AALTSA		0/77			
			0/77		
				0/77	
Q20090729ABLTSA		0/77			
			0/77		
				0/77	
Q20090729ACLTSA		0/77			
			0/77		
				0/77	
Q20090729ADLTSA		0/77			
			0/77		
				0/77	
Test: (Power Cycle) Conditions: Delta 100CC, 2 Min cycle Standard: MIL-STD-750-1036					
Lot	Device	5000-CYCLES	10000-CYCLES	15000-CYCLES	Failure Code
Q20090729AAPRCLA		0/77			
			0/77		
				0/77	
Q20090729ABPRCLA		0/77			
			0/77		
				0/77	
Q20090729ACPRCLA		0/77			
			0/77		
				0/77	
Q20090729ADPRCLA		0/77			
			0/77		
				0/77	
Test: (Precondition) Conditions: Standard: JESD22-A113					
Lot	Device	Results			Failure Code
Q20090729AAPCOPT01BA	H11G1M	0/385			
Q20090729ABPCOPT01BA	H11G1M	0/385			
Q20090729ACPCOPT01BA	H11G1M	0/385			
Q20090729ADPCOPT01BA	H11G1M	0/385			
Test: (Temperature Cycle) Conditions: -40C, 125C Standard: JESD22-A104					
Lot	Device	100-CYCLES	200-CYCLES	500	Failure Code
Q20090729AATMCL5A		0/77			
			0/77		
				0/77	
Q20090729ABTMCL5A		0/77			
			0/77		
				0/77	
Q20090729ACTMCL5A		0/77			
			0/77		
				0/77	
Q20090729ADTMCL5A		0/77			
			0/77		
				0/77	
Test: (Temperature Humidity Biased Test) Conditions: 85%RH, 85C, 5V Standard: JESD22-A101					
Lot	Device	168-HOURS	500-HOURS	1000-HOURS	Failure Code
Q20090729AATHBTA		0/77			
			0/77		
				0/77	
Q20090729ABTHBTA		0/77			
			0/77		
				0/77	
Q20090729ACTHBTA		0/77			
			0/77		
				0/77	
Q20090729ADTHBTA		0/77			
			0/77		
				0/77	

Results/Discussion for Qual Plan Number(s): Q20090738

Test: (High Temperature Op Life) Conditions: 100C Standard:

Lot	Device	168-HOURS	500-HOURS	1000-HOURS	1500	Failure Code
Q20090738AAHTOLB	MOCD217M	0/77				
			0/77			
				0/77		
					0/77	
Q20090738ABHTOLB		0/77				
			0/77			
				0/77		
					0/77	
Q20090738ACHTOLB		0/77				
			0/77			
				0/77		
					0/77	
Q20090738ADHTOLB		0/77				
			0/77			
				0/77		
					0/77	

Test: (High Temperature Storage Life) | Conditions: 150C | Standard: JESD22-A103

Lot	Device	168-HOURS	500-HOURS	1000-HOURS	Failure Code
Q20090738AAHTSLB		0/77			
			0/77		
				0/77	
Q20090738ABHTSLB		0/77			
			0/77		
				0/77	
Q20090738ACHTSLB		0/77			
			0/77		
				0/77	
Q20090738ADHTSLB		0/77			
			0/77		
				0/77	

Test: (Low Temperature Storage) | Conditions: -40C | Standard:

Lot	Device	168-HOURS	500-HOURS	1000	Failure Code
Q20090738AALTSB		0/77			
			0/77		
				0/77	
Q20090738ABLSB		0/77			
			0/77		
				0/77	
Q20090738ACLSB		0/77			
			0/77		
				0/77	
Q20090738ADLSB		0/77			
			0/77		
				0/77	

Test: (Power Cycle) | Conditions: Delta 100CC, 2 Min cycle | Standard: MIL-STD-750-1036

Lot	Device	5000-CYCLES	10000-CYCLES	15000-CYCLES	Failure Code
Q20090738AAPRCLB		0/77			
			0/77		
				0/77	
Q20090738ABPRCLB		0/77			
			0/77		
				0/77	
Q20090738ACPRCLB		0/77			
			0/77		
				0/77	
Q20090738ADPRCLB		0/77			
			0/77		
				0/77	

Test: (Precondition) | Conditions: | Standard: JESD22-A113

Lot	Device	Results	Failure Code
Q20090738AAPCOPT01BB	MOCD217M	0/385	
Q20090738ABPCOPT01BB	MOCD217M	0/385	
Q20090738ACPCOPT01BB	MOCD217M	0/385	
Q20090738ADPCOPT01BB	MOCD217M	0/385	

Test: (Temperature Cycle) | Conditions: -40C, 125C | Standard: JESD22-A104

Lot	Device	100-CYCLES	200-CYCLES	500	Failure Code
Q20090738AATMCL5B		0/77			
			0/77		
				0/77	
Q20090738ABTMCL5B		0/77			
			0/77		
				0/77	
Q20090738ACTMCL5B		0/77			
			0/77		
				0/77	
Q20090738ADTMCL5B		0/77			
			0/77		
				0/77	
Test: (Temperature Humidity Biased Test) Conditions: 85%RH, 85C, 5V Standard: JESD22-A101					
Lot	Device	168-HOURS	500-HOURS	1000-HOURS	Failure Code
Q20090738AATHBTB		0/77			
			0/77		
				0/77	
Q20090738ABTHBTB		0/77			
			0/77		
				0/77	
Q20090738ACTHBTB		0/77			
			0/77		
				0/77	
Q20090738ADTHBTB		0/77			
			0/77		
				0/77	

Results/Discussion for Qual Plan Number(s): Q20070351

Test: (Autoclave) Conditions: 100%RH, 121C Standard: JESD22-A102					
Lot	Device	96-HOURS	Failure Code		
Q20070351AAACLV	MOC3052M	0/45			
Q20070351ABACLV	MOC3052M	0/45			
Q20070351ACACLV	MOC3052M	0/45			
Q20070351ADACLV	MOC3052M	0/45			
Test: (High Temperature Op Life) Conditions: 100C Standard:					
Lot	Device	168-HOURS	500-HOURS	1000-HOURS	Failure Code
Q20070351AAHTOL	MOC3052M	0/45			
			0/45		
				0/45	
Q20070351ABHTOL		0/45			
			0/45		
				0/45	
Q20070351ACHTOL		0/45			
			0/45		
				0/45	
Q20070351ADHTOL		0/45			
			0/45		
				0/45	
Test: (High Temperature Reverse Bias) Conditions: 150C, 480V Standard: JESD22-A108					
Lot	Device	500-HOURS	1000-HOURS	Failure Code	
Q20070351AAHTRB	MOC3052M	0/45			
Q20070351AAHTRB	MOC3052M		0/45		
Q20070351ABHTRB	MOC3052M	0/45			
Q20070351ABHTRB	MOC3052M		0/45		
Q20070351ACHTRB	MOC3052M	0/45			
Q20070351ACHTRB	MOC3052M		0/45		
Q20070351ADHTRB	MOC3052M	0/45			
Q20070351ADHTRB	MOC3052M		0/45		
Test: (High Temperature Storage Life) Conditions: 150C Standard: JESD22-A103					
Lot	Device	168-HOURS	500-HOURS	1000-HOURS	Failure Code
Q20070351AAHTSL		0/45			
			0/45		
				0/45	
Q20070351ABHTSL		0/45			

			0/45		
				0/45	
Q20070351ACHTSL		0/45			
			0/45		
				0/45	
Q20070351ADHTSL		0/45			
			0/45		
				0/45	
Test: (Low Temperature Storage) Conditions: -40C Standard:					
Lot	Device	168-HOURS	500-HOURS	1000	Failure Code
Q20070351AALTS		0/45			
			0/45		
				0/45	
Q20070351ABLTS		0/45			
			0/45		
				0/45	
Q20070351ACLTS		0/45			
			0/45		
				0/45	
Q20070351ADLTS		0/45			
			0/45		
				0/45	
Test: (Precondition) Conditions: Standard: JESD22-A113					
Lot	Device	Results		Failure Code	
Q20070351AAPCOPT01B	MOC3052M	0/225			
Q20070351ABPCOPT01B	MOC3052M	0/225			
Q20070351ACPCOPT01B	MOC3052M	0/225			
Q20070351ADPCOPT01B	MOC3052M	0/225			
Test: (Temperature Cycle) Conditions: -40C, 125C Standard: JESD22-A104					
Lot	Device	100-CYCLES	200-CYCLES	Failure Code	
Q20070351AATMCL1	MOC3052M	0/45			
Q20070351AATMCL1	MOC3052M		0/45		
Q20070351ABTMCL1	MOC3052M	0/45			
Q20070351ABTMCL1	MOC3052M		0/45		
Q20070351ACTMCL1	MOC3052M	0/45			
Q20070351ACTMCL1	MOC3052M		0/45		
Q20070351ADTMCL1	MOC3052M	0/45			
Q20070351ADTMCL1	MOC3052M		0/45		
Test: (Temperature Humidity Biased Test) Conditions: 85%RH, 85C, 480V Standard: JESD22-A101					
Lot	Device	168-HOURS	500-HOURS	1000-HOURS	Failure Code
Q20070351AATHBT		0/45			
			0/45		
				0/45	
Q20070351ABTHBT		0/45			
			0/45		
				0/45	
Q20070351ACTHBT		0/45			
			0/45		
				0/45	
Q20070351ADTHBT		0/45			
			0/45		
				0/45	

Product Id Description :

Affected FSIDs :

4N25M	4N25SM	4N25SR2M
4N25SR2VM	4N25SVM	4N25TVM
4N25VM	4N26M	4N26SM
4N26SR2M	4N26SR2VM	4N26SVM
4N26TVM	4N26VM	4N27M
4N27SM	4N27SR2M	4N27SR2VM

4N27SVM	4N27TVM	4N27VM
4N28M	4N28SM	4N28SR2M
4N28SR2VM	4N28SVM	4N28TVM
4N28VM	4N29M	4N29SM
4N29SR2M	4N29TVM	4N30M
4N30SM	4N30SR2M	4N32M
4N32SM	4N32SR2M	4N32SVM
4N32TVM	4N32VM	4N33M
4N33SM	4N33SR2M	4N33TVM
4N33VM	4N35M	4N35SM
4N35SR2M	4N35SR2VM	4N35SVM
4N35TVM	4N35VM	4N36M
4N36SM	4N36SR2M	4N36SR2VM
4N36SVM	4N36TVM	4N36VM
4N37M	4N37SM	4N37SR2M
4N37SR2VM	4N37SVM	4N37TVM
4N37VM	4N38M	4N38SR2M
CNY171M	CNY171SM	CNY171SR2M
CNY171SR2VM	CNY171SVM	CNY171TVM
CNY171VM	CNY172M	CNY172SM
CNY172SR2M	CNY172SR2VM	CNY172SVM
CNY172TVM	CNY172VM	CNY173M
CNY173SM	CNY173SR2M	CNY173SR2VM
CNY173SVM	CNY173TVM	CNY173VM
CNY174M	CNY174SM	CNY174SR2M
CNY174SR2VM	CNY174SVM	CNY174TVM
CNY174VM	CNY17F1M	CNY17F1SM
CNY17F1SR2M	CNY17F1SR2VM	CNY17F1SVM
CNY17F1TVM	CNY17F1VM	CNY17F2M
CNY17F2SM	CNY17F2SR2M	CNY17F2SR2VM
CNY17F2SVM	CNY17F2TVM	CNY17F2VM
CNY17F3M	CNY17F3SM	CNY17F3SR2M
CNY17F3SR2VM	CNY17F3SVM	CNY17F3TVM
CNY17F3VM	CNY17F4M	CNY17F4SM
CNY17F4SR2M	CNY17F4SR2VM	CNY17F4SVM
CNY17F4TVM	CNY17F4VM	FODM121AR2V
FODM121AR2	FODM121AV	FODM121A
FODM121BR2V	FODM121BR2	FODM121BV
FODM121B	FODM121CR2V	FODM121CR2
FODM121CV	FODM121C	FODM121R2V
FODM121R2	FODM121	FODM124R2V
FODM124R2	FODM124	FODM2701R2V
FODM2701R2	FODM2701	FODM2705R2V
FODM2705R2V_5709	FODM2705R2	FODM2705V
FODM2705	FODM3011R2_NF098	FODM3011_NF098
FODM3012R2V_NF098	FODM3012R2_NF098	FODM3012_NF098
FODM3022R2_NF098	FODM3022_NF098	FODM3023R2_NF098
FODM3023_NF098	FODM3052R2V_NF098	FODM3052R2_NF098

FODM3052_NF098	FODM3053R2V_NF098	FODM3053R2_NF098
FODM3053V_NF098	FODM3053_NF098	FODM3062R2
FODM3062	FODM3063R2	FODM3063
FODM3082R2	FODM3082	FODM3083R2
FODM3083	H11A1M	H11A1SM
H11A1SR2M	H11A1SR2VM	H11A1SVM
H11A1TVM	H11A1VM	H11A2M
H11A3M	H11A4SM	H11A4SVM
H11A5M	H11AA1M	H11AA1SM
H11AA1SR2M	H11AA1SR2VM	H11AA1SVM
H11AA1TVM	H11AA1VM	H11AA2SR2M
H11AA2SR2VM	H11AA2SVM	H11AA2TVM
H11AA2VM	H11AA3SR2M	H11AA3SR2VM
H11AA3SVM	H11AA3TVM	H11AA4M
H11AA4SDM	H11AA4SM	H11AA4SR2M
H11AA4SR2VM	H11AA4SVM	H11AA4TVM
H11AA4VM	H11AV1AM	H11AV1AVM
H11AV1M	H11AV1SM	H11AV1SR2M
H11AV1SR2VM	H11AV1SVM	H11AV1VM
H11AV2AM	H11AV2AVM	H11AXM_5164
H11B1M	H11B1SM	H11B1SR2M
H11B1SR2VM	H11B1VM	H11D1M
H11D1SM	H11D1SR2M	H11D1SR2VM
H11D1SVM	H11D1VM	H11D3M
H11D3SM	H11D3SR2M	H11G1M
H11G1SM	H11G1SR2VM	H11G1TVM
H11G2M	H11G2SM	H11G2SR2M
H11G2SR2VM	H11G2SVM	H11G2TVM
H11G2VM	H11L1M	H11L1SM
H11L1SR2M	H11L1SR2VM	H11L1SVM
H11L1TVM	H11L1VM	H11L2M
H11L2SM	H11L2SR2M	H11L2SR2VM
H11L2SVM	H11L2TVM	H11L2VM
H11L3M	H11L3SM	H11L3SR2M
H11L3SR2VM	H11L3SVM	H11L3TVM
H11L3VM	H11LXM_5555R2	H11LXM_9114
H11PXM_9102D	H11SADXM_5696	H11SADXM_5702R2
H11SAXM_5598D	H11SAXM_5676D	H11SBDXM_108R2
H11ZXM_9107	HMA121CR3V_NF098	MCT2EM
MCT2ESM	MCT2ESR2M	MCT2ESR2VM
MCT2ESVM	MCT2ETVM	MCT2EVM
MCT2SR2VM	MCT2SVM	MCT2TVM
MCT2VM	MID400SDV	MID400SD
MID400SV	MID400S	MID400WV
MID400	MOC205M	MOC205R2M
MOC205R2VM	MOC205VM	MOC206M
MOC206R2M	MOC206R2VM	MOC206VM
MOC207M	MOC207R2M	MOC207R2VM

MOC207VM	MOC211M	MOC211R2M
MOC211R2VM	MOC211VM	MOC212M
MOC212R2M	MOC212R2VM	MOC212VM
MOC213M	MOC213R2M	MOC213R2VM
MOC213VM	MOC216M	MOC216R2M
MOC216R2VM	MOC216VM	MOC217M
MOC217R2M	MOC217R2VM	MOC217VM
MOC223M	MOC223R2M	MOC223R2VM
MOC223VM	MOC256M	MOC256R2M
MOC256R2VM	MOC256VM	MOC3010M
MOC3010SM	MOC3010SR2M	MOC3010SR2VM
MOC3010SVM	MOC3010TVM	MOC3010VM
MOC3011M	MOC3011SM	MOC3011SR2M
MOC3011SR2VM	MOC3011SVM	MOC3011TVM
MOC3011VM	MOC3012M	MOC3012SM
MOC3012SR2M	MOC3012SR2VM	MOC3012SVM
MOC3012TVM	MOC3012VM	MOC3020M
MOC3020SM	MOC3020SR2M	MOC3020SR2VM
MOC3020SVM	MOC3020TVM	MOC3020VM
MOC3021M	MOC3021SM	MOC3021SR2M
MOC3021SR2VM	MOC3021SVM	MOC3021TVM
MOC3021VM	MOC3022M	MOC3022SM
MOC3022SR2M	MOC3022SR2VM	MOC3022SVM
MOC3022TVM	MOC3022VM	MOC3023M
MOC3023SM	MOC3023SR2M	MOC3023SR2VM
MOC3023SVM	MOC3023TVM	MOC3023VM
MOC3031M	MOC3031SM	MOC3031SR2M
MOC3031SR2VM	MOC3031SVM	MOC3031TVM
MOC3031VM	MOC3032M	MOC3032SM
MOC3032SR2M	MOC3032SR2VM	MOC3032SVM
MOC3032TVM	MOC3032VM	MOC3033M
MOC3033SM	MOC3033SR2M	MOC3033SR2VM
MOC3033SVM	MOC3033TVM	MOC3033VM
MOC3041M	MOC3041SM	MOC3041SR2M
MOC3041SR2VM	MOC3041SVM	MOC3041TVM
MOC3041VM	MOC3042M	MOC3042SM
MOC3042SR2M	MOC3042SR2VM	MOC3042SVM
MOC3042TVM	MOC3042VM	MOC3043M
MOC3043SM	MOC3043SR2M	MOC3043SR2VM
MOC3043SVM	MOC3043TVM	MOC3043VM
MOC3051M	MOC3051SM	MOC3051SR2M
MOC3051SR2VM	MOC3051SVM	MOC3051TVM
MOC3051VM	MOC3052M	MOC3052SM
MOC3052SR2M	MOC3052SR2VM	MOC3052SVM
MOC3052TVM	MOC3052VM	MOC3061M
MOC3061SM	MOC3061SR2M	MOC3061SR2VM
MOC3061SVM	MOC3061TVM	MOC3061VM
MOC3062M	MOC3062SM	MOC3062SR2M

MOC3062SR2VM	MOC3062SVM	MOC3062TVM
MOC3062VM	MOC3063M	MOC3063SM
MOC3063SR2M	MOC3063SR2VM	MOC3063SVM
MOC3063TVM	MOC3063VM	MOC3081M
MOC3081SM	MOC3081SR2M	MOC3081SR2VM
MOC3081SVM	MOC3081TVM	MOC3081VM
MOC3082M	MOC3082SM	MOC3082SR2M
MOC3082SR2VM	MOC3082SVM	MOC3082TVM
MOC3082VM	MOC3083M	MOC3083SM
MOC3083SR2M	MOC3083SR2VM	MOC3083SVM
MOC3083TVM	MOC3083VM	MOC3162M
MOC3162SM	MOC3162SR2M	MOC3162SR2VM
MOC3162SVM	MOC3162TVM	MOC3162VM
MOC3163M	MOC3163SM	MOC3163SR2M
MOC3163SR2VM	MOC3163SVM	MOC3163TVM
MOC3163VM	MOC8021M	MOC8021SR2M
MOC8050M	MOC8050SR2M	MOC8050SR2VM
MOC8050TVM	MOC8050VM	MOC8100M
MOC8100SM	MOC8100SR2M	MOC8100SR2VM
MOC8100SVM	MOC8100TVM	MOC8100VM
MOC8106M	MOC8106SM	MOC8106SR2M
MOC8106SR2VM	MOC8204M	MOC8204SM
MOC8204SR2M	MOCD207D2M	MOCD207M
MOCD207R2M	MOCD207R2VM	MOCD207VM
MOCD208M	MOCD208R2M	MOCD208R2VM
MOCD208VM	MOCD211M	MOCD211R2M
MOCD211R2VM	MOCD211VM	MOCD213M
MOCD213R2M	MOCD213R2VM	MOCD213VM
MOCD217M	MOCD217R2M	MOCD217R2VM
MOCD217VM	MOCD223M	MOCD223R2M
MOCD223R2VM	MOCD223VM	TIL111M
TIL111SM	TIL111SR2M	TIL111SR2VM
TIL111SVM	TIL111TVM	TIL111VM
TIL113M	TIL113SM	TIL117M
TIL117SM	TIL117SR2M	TIL117SR2VM
TIL117SVM	TIL117TVM	TIL117VM