

Lead (Pb)-Free Family Summary Sheet - Resistor Components

Vishay



Item #	Product Description	Product Family	Value Division	Pb-free Samples Available (QTY)	Pb-free Mass Production (QTY)	Immersion Plates	Printed Ink/Other	Th Lead (SnPb) After Conversion	RoHS Qual. Complete and Report Available (QTY)	RoHS-Comp Samples (QTY)	RoHS-Comp Mass Production (QTY)	Manufacturing Process	Moldure Sensitivity Level	IPC/DEC-9-STD-020C compliant (Temp. Peak T _p in °C/Time Peak t _p in sec./Cycles)	Backward Compatibility	Product Change Notification Nok. /	Product Change Notification Date
4024	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4025	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4026	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4027	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4028	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4029	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4030	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4031	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4032	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4033	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4034	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4035	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4036	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4037	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4038	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4039	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4040	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4041	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4042	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4043	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4044	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4045	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4046	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4047	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4048	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4049	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09
4050	0001050000100000000000	0001050000100000000000	0001050000100000000000	1	1	1	1	1	1	1	1	1	1	1	1	1	04/01/09

Lead (Pb)-Free Family Summary Sheet - Resistor Components

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Technology/ Product Line	Product Description	Product Family	Mechy Division	Pb-Free Complete and Report Available (QTY)	Pb-Free Samples available (QTY)	Pb-Free Massproduction (QTY)	Incremental Part(s)	Part(s) Available (QTY)	Part(s) Available (QTY)	Part(s) Available (QTY)	Part(s) Available (QTY)	Part(s) Available (QTY)	Part(s) Available (QTY)	Part(s) Available (QTY)	Part(s) Available (QTY)	Part(s) Available (QTY)	Part(s) Available (QTY)	Part(s) Available (QTY)
Thin Film	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film	Thin Film
Surface Mount	Surface Mount	Surface Mount	Surface Mount	Surface Mount	Surface Mount	Surface Mount	Surface Mount	Surface Mount	Surface Mount	Surface Mount	Surface Mount	Surface Mount	Surface Mount	Surface Mount	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Through Hole	Through Hole	Through Hole	Through Hole	Through Hole	Through Hole	Through Hole	Through Hole	Through Hole	Through Hole	Through Hole	Through Hole	Through Hole	Through Hole	Through Hole	Through Hole	Through Hole	Through Hole	Through Hole



Lead (Pb)-Free Family Summary Sheet - Resistor Components

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Technology / Part Name	Product Number	Product Name	Pb-Free Samples Available (QTY)		Pb-Free Mass Production (QTY)	Technical Part	RoHS Qual. Complete and Report Available (QTY)	Pb-free Samples Available (QTY)	Pb-Free Mass Production (QTY)		RoHS Qual. Complete and Report Available (QTY)	RoHS Samples Available (QTY)	Pb-Free Mass Production (QTY)	Exempted Lead	Moisture Sensitivity Level	IPC/JEDEC-Q7D-200C compliant (Temp. Peak Tp in C/Time Peak tp in sec/Cycle)	Backward Compatibility	Product Change Notification No. / Date	Product Change Notification Date
			Available (QTY)	Mass Production (QTY)					Available (QTY)	Mass Production (QTY)									
TCR020100010001000	251 351 351 351 351 351	TCR020100010001000	251	251	251	TCR020100010001000	251	251	251	251	251	251	TCR020100010001000	1	✓	TCR020100010001000	251	251	
TCR020100010001000	251 351 351 351 351 351	TCR020100010001000	251	251	251	TCR020100010001000	251	251	251	251	251	251	TCR020100010001000	1	✓	TCR020100010001000	251	251	
TCR020100010001000	251 351 351 351 351 351	TCR020100010001000	251	251	251	TCR020100010001000	251	251	251	251	251	251	TCR020100010001000	1	✓	TCR020100010001000	251	251	
TCR020100010001000	251 351 351 351 351 351	TCR020100010001000	251	251	251	TCR020100010001000	251	251	251	251	251	251	TCR020100010001000	1	✓	TCR020100010001000	251	251	
TCR020100010001000	251 351 351 351 351 351	TCR020100010001000	251	251	251	TCR020100010001000	251	251	251	251	251	251	TCR020100010001000	1	✓	TCR020100010001000	251	251	
TCR020100010001000	251 351 351 351 351 351	TCR020100010001000	251	251	251	TCR020100010001000	251	251	251	251	251	251	TCR020100010001000	1	✓	TCR020100010001000	251	251	
TCR020100010001000	251 351 351 351 351 351	TCR020100010001000	251	251	251	TCR020100010001000	251	251	251	251	251	251	TCR020100010001000	1	✓	TCR020100010001000	251	251	
TCR020100010001000	251 351 351 351 351 351	TCR020100010001000	251	251	251	TCR020100010001000	251	251	251	251	251	251	TCR020100010001000	1	✓	TCR020100010001000	251	251	
TCR020100010001000	251 351 351 351 351 351	TCR020100010001000	251	251	251	TCR020100010001000	251	251	251	251	251	251	TCR020100010001000	1	✓	TCR020100010001000	251	251	
TCR020100010001000	251 351 351 351 351 351	TCR020100010001000	251	251	251	TCR020100010001000	251	251	251	251	251	251	TCR020100010001000	1	✓	TCR020100010001000	251	251	

Lead (Pb)-Free Family Summary Sheet - Resistor Components

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Product Description		Pb-Free "Lead" Level Interchange Status					RoHS Status			Soldering			Pb-Free Status			
Technology / Product ID	Product Family	Vishay Division	Pb-Free Qual. Complete and Report Available (Q/Y)	Pb-Free Samples available (Q/Y)	Termination Finish	How to Order (Pb/Lead Free)	Tin Lead (Sn/Pb) Products/Termination available	RoHS Qual. Complete and Report Available (Q/Y)	RoHS-Compl Samples (Q/Y)	RoHS-Compl Massproduction (Q/Y)	Exemptions Used	Molten Solder Sensitivity Level	IPC/JEDEC-J-STD-020C compliant (Temp. Peak T _p in °C/Time Peak tp in sec / Cycles)	Backward Compatibility	Product Change Notification No. / Ref#	Product Change Notification Date
RES-1206TC-2500W-200	RES-1206TC-2500W-200	8F	404	404	404	404	404	404	404	404	None	1	✓	✓	426	1/26/06
RES-1206TC-2500W-200-100	RES-1206TC-2500W-200-100	8F	404	404	404	404	404	404	404	404	None	1	✓	✓	426	1/26/06
RES-1206TC-2500W-200-100-100	RES-1206TC-2500W-200-100-100	8F	404	404	404	404	404	404	404	404	None	1	✓	✓	426	1/26/06
RES-1206TC-2500W-200-100-100-100	RES-1206TC-2500W-200-100-100-100	8F	404	404	404	404	404	404	404	404	None	1	✓	✓	426	1/26/06
RES-1206TC-2500W-200-100-100-100-100	RES-1206TC-2500W-200-100-100-100-100	8F	404	404	404	404	404	404	404	404	None	1	✓	✓	426	1/26/06
RES-1206TC-2500W-200-100-100-100-100-100	RES-1206TC-2500W-200-100-100-100-100-100	8F	404	404	404	404	404	404	404	404	None	1	✓	✓	426	1/26/06
RES-1206TC-2500W-200-100-100-100-100-100-100	RES-1206TC-2500W-200-100-100-100-100-100-100	8F	404	404	404	404	404	404	404	404	None	1	✓	✓	426	1/26/06
RES-1206TC-2500W-200-100-100-100-100-100-100-100	RES-1206TC-2500W-200-100-100-100-100-100-100-100	8F	404	404	404	404	404	404	404	404	None	1	✓	✓	426	1/26/06
RES-1206TC-2500W-200-100-100-100-100-100-100-100-100	RES-1206TC-2500W-200-100-100-100-100-100-100-100-100	8F	404	404	404	404	404	404	404	404	None	1	✓	✓	426	1/26/06
RES-1206TC-2500W-200-100-100-100-100-100-100-100-100-100	RES-1206TC-2500W-200-100-100-100-100-100-100-100-100-100	8F	404	404	404	404	404	404	404	404	None	1	✓	✓	426	1/26/06

Notes:
 1. Please refer to your local Vishay Sales Office.
 2. All Vishay Resistor Products are RoHS compliant. For more information, please refer to the Vishay Resistor Product Catalog. The information in this document is subject to change without notice. © Vishay Resistor Products, Inc. 2006. All rights reserved.
 3. This document is subject to change without notice.



Lead (Pb)-Free Family Summary Sheet - Active Components

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Technology/ Product Line	Product Description	Product Family	Vishay Division	Pb-Free 2-lead/3-lead/Intermittent/ Status				RoHS Status				Soldering				PCR-Status		
				Termination Finish	Low to Order/Yes (Lead free)	Tin Lead (SnPb) after Conversion	RoHS Qual. Complete and Report Available (Q/Y)	RoHS-Comp Samples (Q/Y)	RoHS-Comp Massproduction (Q/M)	Exemptions Used	Moisture Sensitivity Level	IPC/JEDEC J-STD-020C compliant (Temp. Peak T _p in °C/ Time Peak in sec / Cycles)	Backward Compatibility	Product Change Notification No./ Ref#	Product Change Notification Date			
YDR-FETS																		
-MOS 3D-7E	3100XLL		51	204	105	204	100% S ¹ matte	at: 15 ³	204	100	204	204	204	100	204	204	204	June 03
-MOS 3D-7E	3100XDL1		51	204	105	204	100% S ¹ matte	at: 1L5	204	100	204	204	204	100	204	204	204	June 03
-MOS 3D-75A	3100X4		51	204	105	204	100% S ¹ matte	at: 1L5	204	100	204	204	204	100	204	204	204	June 03
-MOS 3D-8E	3100X6		51	204	105	204	100% S ¹ matte	at: 1L5	204	100	204	204	204	100	204	204	204	June 03
-MOS 3D1-2S	3100XLS		51	204	105	204	100% S ¹ matte	at: 1L5	204	100	204	204	204	100	204	204	204	June 03
-MOS Small Signal SOT23	2100XX	Moist. v.oxok, H.oxok, v.oxok	51	204	105	204	100% S ¹ matte	at: 1L5	204	100	204	204	204	100	204	204	204	June 03
-MOS Small Signal TO92	2100XKL (Moist. v.oxok), 1-oxokL (Moist. v.oxok)		51	204	105	204	100% S ¹ matte	at: 1L5	204	100	204	204	204	100	204	204	204	June 03
-MOS 12U-6	3100XLY		51	204	105	204	100% S ¹ matte	at: 1L5	204	100	204	204	204	100	204	204	204	June 03
-MOS 3D-7C	3100XLY, 3100XDY		51	204	105	204	100% S ¹ matte	at: 1L5	204	100	204	204	204	100	204	204	204	June 03
-MOS 3D1-4E	3100XLL		51	204	105	204	100% S ¹ matte	at: 15 ³	204	100	204	204	204	100	204	204	204	June 03
-MOS 3D1-4E Power	3100XDU		51	204	105	204	100% S ¹ matte	at: 15 ³	204	100	204	204	204	100	204	204	204	June 03
-MOS 12D3-4E	3100XLS		51	204	105	204	100% S ¹ matte	at: 1L5	204	100	204	204	204	100	204	204	204	June 03
-MOS -new PAA 12E	3100XLN		51	204	105	204	100% S ¹ matte	at: 15 ³	204	100	204	204	204	100	204	204	204	June 03
-MOS -new PAA 20S	3100XLY		51	204	105	204	100% S ¹ matte	at: 15 ³	204	100	204	204	204	100	204	204	204	June 03
-MOS 12D3-2C	3100XDU		51	204	105	204	200% L ¹	at: 1L5	204	100	204	204	204	100	204	204	204	June 03
-MOS -new PAA 2.7V	3100XLE		51	204	105	204	100% S ¹ matte	at: 1L5	204	100	204	204	204	100	204	204	204	June 03
-MOS 12-2E1	3100XDX-0A		51	204	105	204	100% S ¹ matte	at: 1L5	204	100	204	204	204	100	204	204	204	June 03
-MOS 12-2E2	3100XDX-0X		51	204	105	204	100% S ¹ matte	at: 1L5	204	100	204	204	204	100	204	204	204	June 03
-MOS 12-2E1	3100XDX-0A		51	204	105	204	100% S ¹ matte	at: 1L5	204	100	204	204	204	100	204	204	204	June 03
-MOS 12-2E1	3100XDX-0A		51	204	105	204	100% S ¹ matte	at: 1L5	204	100	204	204	204	100	204	204	204	June 03
-MOS 12-2E2	3100XDX-0X		51	204	105	204	100% S ¹ matte	at: 1L5	204	100	204	204	204	100	204	204	204	June 03
-MOS 12-2E1	3100XDX-0A		51	204	105	204	100% S ¹ matte	at: 1L5	204	100	204	204	204	100	204	204	204	June 03
-MOS 12-2E2	3100XDX-0X		51	204	105	204	100% S ¹ matte	at: 1L5	204	100	204	204	204	100	204	204	204	June 03
-MOS 12-7E1	3100XDX-0X		51	204	105	204	100% S ¹ matte	at: 1L5	204	100	204	204	204	100	204	204	204	June 03

Lead (Pb)-Free Family Summary Sheet - Active Components

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Technology/ Product Line	Product Description	Pb Free "Zero-Level Interconnect" Status								RoHS Status			SoDier Dg		RoHS Status		
		Product Family	Vishay Division	Pb-Free Qual. Complete and Report Available (Q/Y)	Pb-Free Samples Available (Q/Y)	Pb-Free Massproduction (Q/Y)	Terminal on Lead (REF)	How to Order (Pb/Lead Free)	Tin Lead (SnPb) Product/Termination available after Conversion	RoHS Qual. Complete and Report Available (Q/Y)	RoHS-Compl Samples (Q/Y)	RoHS-Compl Massproduction (Q/Y)	Exemptions (Q/Y)	Moisture Sensitivity Level	IPC/EDC J-STD-020C compliant (Temp. Peak T _p in °C/Time Peak (tp in sec / Cycles)	Backward Compatibility	Product Change Notification No. / Ref
-MSL - 2.5B2	reference ref		61	204	405	204	100% S-frame	ref: LF	●	204	304	204	Temperature	✓	✓	0001	June 03
JHE1's																	
JHE1, Horzont	0-xxxx, 1-xxxx, 2-xxxx, 3-xxxx, eChange		5	204	402	204	100% S-frame	ref: LF	●	204	303	204	None	✓	✓	0004	June 03
JLL1, 10-90	1-00, -0100, PProxx		9	204	300	204	100% S-frame	ref: LF	●	204	305	204	None	✓	✓	0007	June 03
JLL1, 50:1:20	5xxxx		9	204	300	204	100% S-frame	ref: LF	●	204	305	204	None	✓	✓	0008	June 03
JHE1, 50:1	SBU/P/xxxx		9	204	301	204	100% S-frame	ref: LF	●	204	305	204	None	✓	✓	0009	June 03
INTEGRATED CIRCUITS																	
J C, HV-30-C	0-xxxxxy 0-xxxxxy		61	204	204	204	100% S-frame	ref: LF	●	204	204	204	None	✓	✓	0004	June 03
J C, HV -01P	0-xxxxxy		61	204	204	204	100% S-frame	ref: LF	●	204	204	204	None	✓	✓	0004	June 03
J C, HV 1500P	0-xxxxxy		61	204	205	204	100% S-frame	ref: LF	●	204	205	204	None	✓	✓	0004	June 03
J C, HV -120	0-xxxxxy		61	204	204	204	100% S-frame	ref: LF	●	204	204	204	None	✓	✓	0004	June 03
J C, LV 1500P	0-xxxxxy-2C		61	204	204	204	100% S-frame	ref: LF	●	204	204	204	None	✓	✓	0004	June 03
J C, LV 1800P	0-xxxxxy-2V		61	204	203	204	100% S-frame	ref: LF	●	204	203	204	None	✓	✓	0004	June 03
J C, LV 30 0B	0-xxxxxy-2K		61	204	205	204	100% S-frame	ref: LF	●	204	205	204	None	✓	✓	0004	June 03
J C, LV 30 0I	0-xxxxxy-2L		61	204	205	204	100% S-frame	ref: LF	●	204	205	204	None	✓	✓	0004	June 03
J C, LV 0PH	0-xxxxxy-2H		61	204	204	204	100% S-frame	ref: LF	●	204	204	204	None	✓	✓	0004	June 03
J C, LV 0IN	0-xxxxxy-2H		61	204	204	204	100% S-frame	ref: LF	●	204	204	204	None	✓	✓	0004	June 03
J C, LV 20 -2	0-xxxxxy-2I		61	204	205	204	100% S-frame	ref: LF	●	204	205	204	None	✓	✓	0004	June 03
J C, LV 200 001	0-xxxxxy-2J		61	204	200	204	90% LT	ref: LF	●	204	200	204	None	✓	✓	0004	June 03
-12, 385P	0-xxxxxy-2K		61	204	204	204	100% S-frame	ref: LF	●	204	204	204	None	✓	✓	300	June 03
-12, 1800P	0-xxxxxy-2L		61	204	204	204	100% S-frame	ref: LF	●	204	204	204	None	✓	✓	300	June 03
-12, -01P	4-xxxxxy		61	204	204	204	100% S-frame	ref: LF	●	204	204	204	None	✓	✓	300	June 03
-12, 0500P	4-xxxxxy		61	204	204	204	100% S-frame	ref: LF	●	204	204	204	None	✓	✓	0007	June 03
-12, 1000P	4-xxxxxy		61	204	204	204	100% S-frame	ref: LF	●	204	204	204	None	✓	✓	0007	June 03
-12, 200-C	4-xxxxxy		61	204	204	204	100% S-frame	ref: LF	●	204	204	204	None	✓	✓	0007	June 03
-12, 10000	4-xxxxxy 4-xxxxxy		61	204	204	204	100% S-frame	ref: LF	●	204	204	204	None	✓	✓	0007	June 03
-12, -120	4-xxxxxy		61	204	204	204	100% S-frame	ref: LF	●	204	204	204	None	✓	✓	0007	June 03



Lead (Pb)-Free Family Summary Sheet - Active Components

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Technology Product Line	Product Division	Product Family	Pb-Free: 2+0.4ave Interconnect Status					RoHS Status			Soldering		Pb-Free Status		
			Pb-free Samples available (QTY)	Pb-free Massproduction (QTY)	Term action (P-1157)	How to Order Web Lead Free	Tn Lead (SnPb) after Conversion	Rohs Qual. Complete and Report Available (QTY)	Rohs-Compl Samples (QTY)	Rohs-Compl Massproduction (QTY)	Exemptions Item	Moisture Sensitivity Level	IPC/JEDEC-J-STD-020C compliant (Temp. Peak T _p In °C/Time Peak (p in sec / Cycle)	Backward Compatibility	Product Change Notification Nok. /
ME2 - meet ME	IS	500004	300	400	504	100% Sn in lead	add'l Pb?	●	.004	400	400	400	1	200-4	June 03
ME2 - 1882H	IS	500003	300	400	504	100% Sn in lead	add'l Pb?	●	.004	400	400	1	200-4	June 03	
ME2 - 800-71	IS	500002	300	400	504	100% Sn in lead	add'l Pb?	●	.004	400	400	1	200-4	June 03	
ME2 - 800P	IS	500005	300	400	504	100% Sn in lead	add'l Pb?	●	.004	400	400	1	200-4	June 03	
ME2 - 1801-65	IS	500001	300	400	504	100% Sn in lead	add'l Pb?	●	.004	400	400	1	200-4	June 03	
ME2 - 801-21	IS	500001	300	400	504	100% Sn in lead	add'l Pb?	●	.004	400	400	1	200-4	June 03	
ME2 - 800 w/creaky	IS	500004	300	400	504	100% Sn in lead	add'l Pb?	●	.004	400	400	1	200-4	June 03	
ME2 - 801-41	IS	500002	300	400	504	100% Sn in lead	add'l Pb?	●	.004	400	400	1	200-4	June 03	
ME2 - 800 narrow	IS	500001	300	400	504	100% Sn in lead	add'l Pb?	●	.004	400	400	1	200-4	June 03	
ME2 - 10-16	IS	500002	300	400	504	100% Sn in lead	add'l Pb?	●	.004	400	400	1	200-4	June 03	
FILE...	S	125 J-118, 125H-118	30	40	50	Unlead	0	●	0.04	50	50	50	50	NA	NA
SMALL SIGNAL PRODUCTS															
5-025 product	65	US-25-204	✓	✓	100	50% Sn in lead	Standard Par. number Remark Lead Free	No	2:0	100	100	100	100	14	11/12/2001
5-025 product	65	500-25-204	✓	✓	100	50% Sn in lead	Standard Par. number Remark Lead Free	No	2:0	100	100	100	100	14	11/12/2001
5-025 product	65	US-25-204	✓	✓	100	50% Sn in lead	Standard Par. number Remark Lead Free	No	2:0	100	100	100	100	14	11/12/2001
5-025 product	65	127-25-204	✓	✓	100	50% Sn in lead	New Part Number	No	1:0	100	100	100	14	6/12/2001	
5-025 product	65	US-25-204	✓	✓	100	50% Sn in lead	New Part Number	No	1:0	100	100	100	14	6/12/2001	
5-025 product	65	500-25-204	✓	✓	100	50% Sn in lead	New Part Number	No	1:0	100	100	100	14	6/12/2001	

Lead (Pb)-Free Family Summary Sheet - Active Components



Vishay

Technology/Product Line	Product Description	Pb Free "Mid-Level Introduction" Status			RoHS Status			Soldering		Product Change Notification No. / Ref#	Product Change Notification Date
		Tenability Finish	How to Order/Notes (Lead Free)	Product Termination available after Conversion	RoHS Qual. Complete and Report	RoHS-Compl Samples (QTY)	RoHS-Compl Mass Production (QTY)	Exceptions Used	Moisture Sensitivity Level		
Through-hole	Product Family: 50 18310-01, 4P, 0032; 30x 1074, 50 400 623653	100% Sn matte	Standard Part Number: Standard Lead Free	Yes	2003	2003	0304	11	✓	✓	01/24/2008 08/10/2008
		100% Sn inline	Standard Part Number: Standard Lead Free	Yes	2003	2003	0304	14	✓	✓	01/24/2008 06/02/2008
		100% Sn radial	Standard Part Number: Standard Lead Free	Yes	2003	2003	0304	14	✓	✓	01/24/2008 06/02/2008
		100% Sn axial	Standard Part Number: Standard Lead Free	Yes	2003	2003	0304	14	✓	✓	01/24/2008 06/02/2008
POWER DIODES	TO-220, ITO-220 (Standard) TO-220 ITO 220 (Automotive Grade) TO-263 (Automotive Grade) SMB, D-5, SMB, SB-3 (Standard Diode) MB, CS-3 (Standard Diode) 4S-DM KUL 4S-1, 6DFC (Power Load (PS) Standard Diode) SMB, 3SMB 3 Type (Standard Diode) SMB, 3MS 340 (Standard Diode) SMB, 3MS 650 (Automotive Grade) Load Dump 100 (Automotive Grade) 5-41183P (Automotive Grade)	100% Sn matte	Standard Part Number: Standard Lead Free	Yes	2003	2003	0304	11	✓	✓	01/24/2008 08/10/2008
		100% Sn matte	Standard Part Number: Standard Lead Free	Yes	2003	2003	0304	11	✓	✓	01/24/2008 08/10/2008
		100% Sn matte	Standard Part Number: Standard Lead Free	Yes	2003	2003	0304	11	✓	✓	01/24/2008 08/10/2008
		100% Sn matte	Standard Part Number: Standard Lead Free	Yes	2003	2003	0304	11	✓	✓	01/24/2008 08/10/2008
		100% Sn matte	Standard Part Number: Standard Lead Free	Yes	2003	2003	0304	11	✓	✓	01/24/2008 08/10/2008
		100% Sn matte	Standard Part Number: Standard Lead Free	Yes	2003	2003	0304	11	✓	✓	01/24/2008 08/10/2008
		100% Sn matte	Standard Part Number: Standard Lead Free	Yes	2003	2003	0304	11	✓	✓	01/24/2008 08/10/2008
		100% Sn matte	Standard Part Number: Standard Lead Free	Yes	2003	2003	0304	11	✓	✓	01/24/2008 08/10/2008
		100% Sn matte	Standard Part Number: Standard Lead Free	Yes	2003	2003	0304	11	✓	✓	01/24/2008 08/10/2008
		100% Sn matte	Standard Part Number: Standard Lead Free	Yes	2003	2003	0304	11	✓	✓	01/24/2008 08/10/2008
SMA	SMA, 3MS 340 (Standard Diode) SMA, 3MS 650 (Automotive Grade)	100% Sn matte	Standard Part Number: Standard Lead Free	Yes	2003	2003	0304	11	✓	✓	01/24/2008 08/10/2008
		100% Sn matte	Standard Part Number: Standard Lead Free	Yes	2003	2003	0304	11	✓	✓	01/24/2008 08/10/2008
SMA	SMA, 3MS 340 (Standard Diode) SMA, 3MS 650 (Automotive Grade)	100% Sn inline	Standard Part Number: Standard Lead Free	Yes	2003	2003	0304	11	✓	✓	01/24/2008 08/10/2008
		100% Sn inline	Standard Part Number: Standard Lead Free	Yes	2003	2003	0304	11	✓	✓	01/24/2008 08/10/2008

Lead (Pb)-Free Family Summary Sheet - Active Components



Vishay

Product Description		Pb Free "Zinc-Lead Information" Status				RoHS Status			Soldering			PCN Status				
Technology Product Line	Product Family	Vishay Division	Pb-free Qual. Complete and Report Available (Q/Y)	Pb-free Samples available (Q/Y)	Termination Finish	How to Order-Kit (Lead Free)	Tin Lead (SnPb) Products/Termination available after Conversion	RoHS Qual. Complete and Report Available (Q/Y)	RoHS-Compl Samples (Q/Y)	RoHS-Compl Massproduction (Q/Y)	Exemptions Used	Moisture Sensitivity Level	IPC/JEDEC-J-STD-020C compliant (Temp, Peak T _p in °C/Time Peak T _p in sec / Cycles)	Backward Compatibility	Product Change Notification Nok / Ref#	Product Change Notification Date

Notes:

- Please contact your local Vishay Sales Office and indicate that the item is obsolete or discontinued. If product is obsolete/discontinued less than a year in advance, date is shown. We indicate that the item is not available; a not coming in future; or discontinued. Vishay Semi-conductors

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Lead (Pb)-Free Family Summary Sheet - Inductive Components



Vishay

Technology/ Product Line	Product Description		Pb Free 2nd-Level Interconnect* Status					RoHS Status			Sulfurting			PCM Status		
	Product Family	Valley Division	Pb-Free Qual. Complete and Report Available (Q/Y)	Pb-Free Samples available (Q/Y)	Termination Finish	From an Order/Ship/Lead Free! See Sales Data: 211161116	Tin Lead (SnPb) Products/Termination available after Conversion	RoHS Qual. Complete and Report Available (Q/Y)	RoHS-Compl. Massproduction (Q/Y)	RoHS-Compl. Samples (Q/Y)	Exemptions Used	Moisture Sensitivity Level	IPC/JEDEC-STD-020C compliant (Temp. Peak T _p in °C/Time Peak in sec / Cycles)	Backward Compatibility	Product Change Notification No./ Ref#	Product Change Notification Date
INDUCTORS	INDP-2400001-0322		DL	015	015	015	015	015	015	015	015	015	015	015	015	015
INDUCTORS	RF2-1K-3C-157-40		DL	015	015	015	015	015	015	015	015	015	015	015	015	015
INDUCTORS	MUMS-750087500-1		DL	015	015	015	015	015	015	015	015	015	015	015	015	015
INDUCTORS	Custom Values		DL	015	015	015	015	015	015	015	015	015	015	015	015	015
INDUCTORS	SMD-1000021		DL	015	015	015	015	015	015	015	015	015	015	015	015	015
INDUCTORS	Stacked Coils on Ferrule...		DL	015	015	015	015	015	015	015	015	015	015	015	015	015
INDUCTORS	Coils on Ferrule		DL	015	015	015	015	015	015	015	015	015	015	015	015	015
CONNECTORS																
CONNECTORS	Quarter		DL	015	015	015	015	015	015	015	015	015	015	015	015	015
CONNECTORS	Quarter		DL	015	015	015	015	015	015	015	015	015	015	015	015	015
CONNECTORS	Quarter		DL	015	015	015	015	015	015	015	015	015	015	015	015	015
FREQUENCY CONTROL																
ALUMINUM CONTROL	ALUMINUM CONTROL		DL	015	015	015	015	015	015	015	015	015	015	015	015	015
ALUMINUM CONTROL	ALUMINUM CONTROL		DL	015	015	015	015	015	015	015	015	015	015	015	015	015
ALUMINUM CONTROL	ALUMINUM CONTROL		DL	015	015	015	015	015	015	015	015	015	015	015	015	015
ALUMINUM CONTROL	ALUMINUM CONTROL		DL	015	015	015	015	015	015	015	015	015	015	015	015	015
ALUMINUM CONTROL	ALUMINUM CONTROL		DL	015	015	015	015	015	015	015	015	015	015	015	015	015

*Notes:

- First level surface Vishay Sales Only
- DL-Valley Zone, ST-Valley Service
- Y-Indicates the part is available in quantity. If part is not available in quantity, the part is not available in quantity.
- - Indicates that the part is not available in quantity. The part is not available in quantity.

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Lead (Pb)-Free Family Summary Sheet - Capacitor Components



Vishay

Technology Product Line	Product Description	Pb Free "2nd-Level Interconnect" Status				Pb/Bi Status				Soldering		PCMS Status		
		Pb-Free Qual. Complete and Report Available (Q/Y)	Pb-free Samples available (Q/Y)	Termination Finish	Tin Lead (Sn/Pb) Products/Termination available after Conversion	RoHS Qual. Complete and Report Available (Q/Y)	RoHS-Compl Samples (Q/Y)	RoHS-Compl Massproduction (Q/Y)	Exemptions Used	Moisture Sensitivity Level	(Temp. Peak T _p in °C/Time Peak (sp in sec / Cycles)	Backward Compatibility	Product Change Notification Nok./ Ref#	Product Change Notification Date
ALU EOC	54C Vertical 222	3C	400	100% S/m	How to Order-Web (Lead Free)	400	204	100% S/m	MC	400	204	100% S/m	400	4/12/2004
	260 x 28 x 10 (150 x 160, 180x24, 222 x 20) Cores are 10 x 2 are 10H -locking series	3C	400	100% S/m	Order 222, 460, 743, 150, 173, 9007 2222 150 (avg 8.2g) 01210111 In Lead - Tin Solderable	400	204	100% S/m	MC	400	204	100% S/m	400	4/12/2004
	54C Vertical 223	3C	400	100% S/m	How to Order-Web (Lead Free)	400	204	100% S/m	MC	400	204	100% S/m	400	4/12/2004
	260 x 28 x 10 (150 x 160, 180x24, 222 x 20) Cores are 10 x 2 are 10H -locking series	3C	400	100% S/m	Order 222, 460, 743, 150, 173, 9007 2222 150 (avg 8.2g) 01210111 In Lead - Tin Solderable	400	204	100% S/m	MC	400	204	100% S/m	400	4/12/2004
ALU EOC	54D Vertical 222	3C	400	100% S/m	How to Order-Web (Lead Free)	400	204	100% S/m	MC	400	204	100% S/m	400	4/12/2004
	260 x 28 x 10 (150 x 160, 180x24, 222 x 20) Cores are 10 x 2 are 10H -locking series	3C	400	100% S/m	Order 222, 460, 743, 150, 173, 9007 2222 150 (avg 8.2g) 01210111 In Lead - Tin Solderable	400	204	100% S/m	MC	400	204	100% S/m	400	4/12/2004
	54D Vertical 223	3C	400	100% S/m	How to Order-Web (Lead Free)	400	204	100% S/m	MC	400	204	100% S/m	400	4/12/2004
	260 x 28 x 10 (150 x 160, 180x24, 222 x 20) Cores are 10 x 2 are 10H -locking series	3C	400	100% S/m	Order 222, 460, 743, 150, 173, 9007 2222 150 (avg 8.2g) 01210111 In Lead - Tin Solderable	400	204	100% S/m	MC	400	204	100% S/m	400	4/12/2004
ALU 20C	3A, 3AH 222 125...	2C	100	100% S/m	Standard Part Number-Remark-Lead Free	100	100	100% S/m	MC	100	100	100% S/m	100	01/05
	6A, 6AB 222 126...	2C	100	100% S/m	Standard Part Number-Remark-Lead Free	100	100	100% S/m	MC	100	100	100% S/m	100	01/05
ALU 20C	3BD Vertical 222 (S)	2C	100	100% S/m	Standard Part Number-Remark-Lead Free	100	100	100% S/m	MC	100	100	100% S/m	100	01/05
	20C 222 (S)	2C	204	100% S/m	Standard Part Number-Remark-Lead Free	204	204	100% S/m	MC	204	204	100% S/m	204	01/05
	20C 221 (S) 20C-189 (S) 219S	2C	204	100% S/m	Standard Part Number-Remark-Lead Free	204	204	100% S/m	MC	204	204	100% S/m	204	01/05
	20C 221 (S) 20C-189 (S) 219S	2C	204	100% S/m	Standard Part Number-Remark-Lead Free	204	204	100% S/m	MC	204	204	100% S/m	204	01/05
	20C 221 (S) 20C-189 (S) 219S	2C	204	100% S/m	Standard Part Number-Remark-Lead Free	204	204	100% S/m	MC	204	204	100% S/m	204	01/05
	20C 221 (S) 20C-189 (S) 219S	2C	204	100% S/m	Standard Part Number-Remark-Lead Free	204	204	100% S/m	MC	204	204	100% S/m	204	01/05
	20C 221 (S) 20C-189 (S) 219S	2C	204	100% S/m	Standard Part Number-Remark-Lead Free	204	204	100% S/m	MC	204	204	100% S/m	204	01/05
	20C 221 (S) 20C-189 (S) 219S	2C	204	100% S/m	Standard Part Number-Remark-Lead Free	204	204	100% S/m	MC	204	204	100% S/m	204	01/05
	20C 221 (S) 20C-189 (S) 219S	2C	204	100% S/m	Standard Part Number-Remark-Lead Free	204	204	100% S/m	MC	204	204	100% S/m	204	01/05
	20C 221 (S) 20C-189 (S) 219S	2C	204	100% S/m	Standard Part Number-Remark-Lead Free	204	204	100% S/m	MC	204	204	100% S/m	204	01/05
20C 221 (S) 20C-189 (S) 219S	2C	204	100% S/m	Standard Part Number-Remark-Lead Free	204	204	100% S/m	MC	204	204	100% S/m	204	01/05	
ALU 3PRAGUE	3D 222 125...	2C	400	100% S/m	Standard Part Number-Remark-Lead Free	400	400	100% S/m	MC	400	400	100% S/m	400	01/05
	3D 222 126...	2C	400	100% S/m	Standard Part Number-Remark-Lead Free	400	400	100% S/m	MC	400	400	100% S/m	400	01/05
	3D 222 127...	2C	400	100% S/m	Standard Part Number-Remark-Lead Free	400	400	100% S/m	MC	400	400	100% S/m	400	01/05
	3D 222 128...	2C	400	100% S/m	Standard Part Number-Remark-Lead Free	400	400	100% S/m	MC	400	400	100% S/m	400	01/05
	3D 222 129...	2C	400	100% S/m	Standard Part Number-Remark-Lead Free	400	400	100% S/m	MC	400	400	100% S/m	400	01/05
	3D 222 130...	2C	400	100% S/m	Standard Part Number-Remark-Lead Free	400	400	100% S/m	MC	400	400	100% S/m	400	01/05
	3D 222 131...	2C	400	100% S/m	Standard Part Number-Remark-Lead Free	400	400	100% S/m	MC	400	400	100% S/m	400	01/05
	3D 222 132...	2C	400	100% S/m	Standard Part Number-Remark-Lead Free	400	400	100% S/m	MC	400	400	100% S/m	400	01/05
	3D 222 133...	2C	400	100% S/m	Standard Part Number-Remark-Lead Free	400	400	100% S/m	MC	400	400	100% S/m	400	01/05
	3D 222 134...	2C	400	100% S/m	Standard Part Number-Remark-Lead Free	400	400	100% S/m	MC	400	400	100% S/m	400	01/05
3D 222 135...	2C	400	100% S/m	Standard Part Number-Remark-Lead Free	400	400	100% S/m	MC	400	400	100% S/m	400	01/05	



Lead (Pb)-Free Family Summary Sheet - Capacitor Components

Vishay

Technology Product Line	Product Description	Vishay Division	Pb-Free / RoHS Level Indicator/Status				RoHS Status			Soldering		PCN/Status				
			Pb-Free Qual. Complete and Report Available (Q/Y)	Pb-Free Samples available (Q/Y)	Pb-Free Massproduction (Q/Y)	Termination P/SP	How to Check/Spec./Lead Free?	Tin Lead (SnPb) Products/Termination available after Conversion	RoHS Qual. Complete and Report Available (Q/Y)	RoHS-Compl Samples (Q/Y)	RoHS-Compl Massproduction (Q/Y)	Exemptors Used	Moisture Sensitivity Level	IPC/EDC/J-STD-020C compliant (Temp. Peak T _p in °C/Time Peak in sec./Cycles)	Backward Compatibility	Product Change Notification No./Ref.
ALUMINUM Electrolytic Capacitors Solder Standard Approval	AL0150, AL0150W, W200, W400	WV	4/1	4/4	4/4	400S Sn	400R	400R	400R	400R	None	M3	250/102	✓	400R	7/18/2004
ALUMINUM Electrolytic Capacitors Feed-Thru Class 1	AL0150, AL0150, LD150	WV	4/1	4/4	4/4	400S Sn	400R	400R	400R	400R	None	M3	250/102	✓	400R	7/18/2004
ALUMINUM Electrolytic Capacitors Feed-Thru Class 2	AL0150, AL0150, LD150, LD150L, LD150LH, LD150LH, LD150LH	WV	4/1	4/4	4/4	400S Sn	400R	400R	400R	400R	None	M3	250/102	✓	400R	7/18/2004
ALUMINUM Electrolytic Capacitors Feed-Thru Class 2	AL0150, AL0150, LD150, LD150L, LD150LH, LD150LH	WV	4/1	4/4	4/4	400S Sn	400R	400R	400R	400R	None	M3	250/102	✓	400R	7/18/2004
ALUMINUM Electrolytic Capacitors Feed-Thru Class 1	AL0150, AL0150, LD150, LD150L, LD150LH, LD150LH	WV	4/1	4/4	4/4	400S Sn	400R	400R	400R	400R	None	M3	250/102	✓	400R	7/18/2004
ALUMINUM Electrolytic Capacitors Feed-Thru Class 2	AL0150, AL0150, LD150, LD150L, LD150LH, LD150LH	WV	4/1	4/4	4/4	400S Sn	400R	400R	400R	400R	None	M3	250/102	✓	400R	7/18/2004
ALUMINUM Electrolytic Capacitors Feed-Thru Class 2	AL0150, AL0150, LD150, LD150L, LD150LH, LD150LH	WV	4/1	4/4	4/4	400S Sn	400R	400R	400R	400R	None	M3	250/102	✓	400R	7/18/2004
ALUMINUM Electrolytic Capacitors Feed-Thru Class 1	AL0150, AL0150, LD150, LD150L, LD150LH, LD150LH	WV	4/1	4/4	4/4	400S Sn	400R	400R	400R	400R	None	M3	250/102	✓	400R	7/18/2004
ALUMINUM Electrolytic Capacitors Feed-Thru Class 2	AL0150, AL0150, LD150, LD150L, LD150LH, LD150LH	WV	4/1	4/4	4/4	400S Sn	400R	400R	400R	400R	None	M3	250/102	✓	400R	7/18/2004
ALUMINUM Electrolytic Capacitors Feed-Thru Class 2	AL0150, AL0150, LD150, LD150L, LD150LH, LD150LH	WV	4/1	4/4	4/4	400S Sn	400R	400R	400R	400R	None	M3	250/102	✓	400R	7/18/2004
ALUMINUM Electrolytic Capacitors Feed-Thru Class 2	AL0150, AL0150, LD150, LD150L, LD150LH, LD150LH	WV	4/1	4/4	4/4	400S Sn	400R	400R	400R	400R	None	M3	250/102	✓	400R	7/18/2004
ALUMINUM Electrolytic Capacitors Feed-Thru Class 2	AL0150, AL0150, LD150, LD150L, LD150LH, LD150LH	WV	4/1	4/4	4/4	400S Sn	400R	400R	400R	400R	None	M3	250/102	✓	400R	7/18/2004
ALUMINUM Electrolytic Capacitors Feed-Thru Class 2	AL0150, AL0150, LD150, LD150L, LD150LH, LD150LH	WV	4/1	4/4	4/4	400S Sn	400R	400R	400R	400R	None	M3	250/102	✓	400R	7/18/2004

Lead (Pb)-Free Family Summary Sheet - Capacitor Components

Vishay



Technology Product Line	Product Description	Vishay Division	Pb-Free 2-lead Lead Interconnect SMDs				Board Stamps				Solder Mfg		Pb-Substitutes			
			Pb-free Qual. Complete and Report Available (Q/Y)	Pb-free Samples available (Q/Y)	Pb-free Massproduction (Q/Y)	Item nation Finish	How to Order-Notes (Lead Free)	Tin Lead (SnPb) Products/Termination available after Conversion	Rohs Qual. Complete and Report Available (Q/Y)	Rohs-Compl Samples (Q/Y)	Rohs-Compl Massproduction (Q/Y)	Leadexemplars Used	Molure Sensivity Level	IPC/JEDEC-V-STD-020C compliant (Temp. Peak T _p in °C/Time Peak tp in sec / Cycles)	Backward Compability	Product Change Notification No. / Ref#
DIPOL 3PZ-2L Capacitors Lower Voltage Class 1 E850000	-4CP1 -4CQ -4CLL...-4CLL... Product Family	DR	403	403	246	1403 SR	add H*	NO	406	406	206	NO	ABP-042	✓	012002	
			403	403	246	1403 SR	add H*	NO	406	406	206	NO	ABP-042	✓	012002	
DIPOL 3PZ-2L Capacitors Lower Voltage Class 2 E850000	-4CP1 -4CQ -4CLL...-4CLL... Product Family	DR	403	403	246	1403 SR	add H*	NO	406	406	206	NO	ABP-042	✓	012002	
			403	403	246	1403 SR	add H*	NO	406	406	206	NO	ABP-042	✓	012002	
DIPOL 3PZ-2L Capacitors High Voltage E850000	-4CLL...-4CLL...-4CLL... Product Family	DR	403	403	246	1403 SR	add H*	NO	406	406	206	NO	ABP-042	✓	012002	
			403	403	246	1403 SR	add H*	NO	406	406	206	NO	ABP-042	✓	012002	
CHROMIC-400 MLT Solder	MSA-40P-5 Product Family	RE	403	✓	✓	1003 SR	Standard Parameter	NO	406	✓	✓	NO	ZEP102	✓	022002	
			403	✓	✓	1003 SR	Standard Parameter	NO	406	✓	✓	NO	ZEP102	✓	022002	
CHROMIC-400 MLT Solder	VAD-65-K Product Family	RE	403	✓	✓	1003 SR	Standard Parameter	NO	406	✓	✓	NO	ZEP102	✓	022002	
			403	✓	✓	1003 SR	Standard Parameter	NO	406	✓	✓	NO	ZEP102	✓	022002	
BCC 3P- Capacitors Class 1 E850000	Classified Color D... Product Family	DR	403	403	242	1035 SR	add J* add K* 80 digits "TR" for Lab:230401.2	NO	406	403	203	NO	ZEP102	✓	00004	13-02004
			403	403	242	1035 SR	add J* add K* 80 digits "TR" for Lab:230401.2	NO	406	403	203	NO	ZEP102	✓	00004	13-02004
BCC 3P- Capacitors Class 2 E850000	Classified Color D... Product Family	DR	403	403	242	1035 SR	add J* add K* 80 digits "TR" for Lab:230401.2	NO	406	403	203	NO	ZEP102	✓	00004	13-02004
			403	403	242	1035 SR	add J* add K* 80 digits "TR" for Lab:230401.2	NO	406	403	203	NO	ZEP102	✓	00004	13-02004
BCC 6P- Capacitors Low Voltage Class 1 E850000	Classified Color L... Product Family	DR	403	403	242	1035 SR	add J* add K* 80 digits "TR" for Lab:230401.2	NO	406	403	203	NO	ZEP102	✓	00004	13-02004
			403	403	242	1035 SR	add J* add K* 80 digits "TR" for Lab:230401.2	NO	406	403	203	NO	ZEP102	✓	00004	13-02004
BCC 6P- Capacitors Low Voltage Class 2 E850000	Classified Color L... Product Family	DR	403	403	242	1035 SR	add J* add K* 80 digits "TR" for Lab:230401.2	NO	406	403	203	NO	ZEP102	✓	00004	13-02004
			403	403	242	1035 SR	add J* add K* 80 digits "TR" for Lab:230401.2	NO	406	403	203	NO	ZEP102	✓	00004	13-02004
BCC 6P- Capacitors Low Voltage Class 1 E850000	Classified Color S... Product Family	DR	403	403	242	1035 SR	add J* add K* 80 digits "TR" for Lab:230401.2	NO	406	403	203	NO	ZEP102	✓	00004	13-02004
			403	403	242	1035 SR	add J* add K* 80 digits "TR" for Lab:230401.2	NO	406	403	203	NO	ZEP102	✓	00004	13-02004
CAPMILL-300 Capacitors Lower Voltage Class 1 E850000	30...10K...10...70...75... Product Family	DR	403	403	304	1035 SR	if Part's number starts with 30... "TR" digit "C" = "C"	NO	406	403	203	NO	ZEP102	✓	00004	13-02004
			403	403	304	1035 SR	if Part's number starts with 30... "TR" digit "C" = "C"	NO	406	403	203	NO	ZEP102	✓	00004	13-02004
CAPMILL-300 Capacitors Lower Voltage Class 2 E850000	30...10K...10...70...75... Product Family	DR	403	403	304	1035 SR	if Part's number starts with 30... "TR" digit "C" = "C"	NO	406	403	203	NO	ZEP102	✓	00004	13-02004
			403	403	304	1035 SR	if Part's number starts with 30... "TR" digit "C" = "C"	NO	406	403	203	NO	ZEP102	✓	00004	13-02004



Lead (Pb)-Free Family Summary Sheet - Capacitor Components

Vishay

Technology/Product Line	Product Description	RoHS Status							RoHS Status				RoHS Status			RoHS Status
		Vishay Division	Pb-free Qual. Complete and Report Available (QY)	Pb-free Samples available (QY)	Pb-free Massproduction (QY)	Termination Finish	How to Order (Web/Lead Free)	Tin Lead (SnPb) Products/Termination available after Conversion	Rohs Qual. Complete and Report Available (QY)	Rohs-Compl Samples (QY)	Rohs-Compl Massproduction (QY)	Exemptions Used	Moisture Sensitivity Level	IPC/JEDEC-STD-020C compliant (Temp. Peak T _p in C/ Time Peak in sec / Cycles)	Backward Compatibility	
ALUMINUM - Wet Capacitor 100V...250V...35-0-0	Product Family	4R	403	001	001	100% Sn	How to Order (Web/Lead Free) If Parts Number starts with "BR" then "Mfg. No." is "1"	NO	NO	NO	Lead exempt	M3	200162	✓	3642	10/9/2008
PHENOLIC - Wet Capacitor 200V...50V...300A -075...305A...2		CR	403	104	50	100% Sn	If Parts Number starts with "BR" then "Mfg. No." is "1"	NO	NO	NO	Lead exempt	M3	200162	✓	3626	10/9/2008
SILICONITE - Wet Capacitor KT Single Class 2		DT	NO	401	400	100% Sn	If Parts Number starts with "BR" then "Mfg. No." is "1"	NO	NO	NO	Lead exempt	M3	200162	✓	3642	10/9/2008
ALUMINUM - Power Capacitors		UN	✓	✓	✓	basecap 100%	Basecap Part Number	NO	NO	NO	sulfur free	NC	NO	✓	M3	NO
ALUMINUM - Power Capacitors		UN	✓	✓	✓	basecap 100%	Basecap Part Number	NO	NO	NO	sulfur free	NC	NO	✓	M3	NO
ALUMINUM - Power Capacitors		UN	✓	✓	✓	basecap 100%	Basecap Part Number	NO	NO	NO	sulfur free	NC	NO	✓	M3	NO
ALUMINUM - T-Parts Capacitors		DT	✓	✓	✓	basecap 100%	Basecap Part Number	NO	NO	NO	sulfur free	NC	NO	✓	M3	NO
ALUMINUM - T-Parts Capacitors		UN	✓	✓	✓	basecap 100%	Basecap Part Number	NO	NO	NO	sulfur free	NC	NO	✓	M3	NO
ALUMINUM - Polymetal Power M - Capacitors		UR	✓	✓	✓	basecap 100%	Basecap Part Number	NO	NO	NO	sulfur free	NC	NO	✓	M3	NO
ALUMINUM - V - Junc. And Strapped Capacitors		UN	✓	✓	✓	basecap 100%	Basecap Part Number	NO	NO	NO	sulfur free	NC	NO	✓	M3	NO
ALUMINUM - Capacitor Shunts, Capacitors		UK	NO	NO	NO	MS 02-02	Basecap Part Number	NO	NO	NO	sulfur free	NC	NO	✓	M3	NO
SILICONITE - Wet Capacitor 200V...50V...300A -075...305A...2		CR	203	203	50	Sn	respect to "Mfg. No."	NO	NO	NO	sulfur free	NC	NO	✓	M3	NO
ALUMINUM - Wet electrolytic Capacitors		UK	NO	NO	NO	MSL, BPS	Basecap Part Number	NO	NO	NO	sulfur free	NC	NO	✓	M3	NO
ALUMINUM - Wet electrolytic Capacitors		EU	✓	✓	✓	basecap 100%	Basecap Part Number	NO	NO	NO	sulfur free	NC	NO	✓	M3	NO
SILICONITE - Wet electrolytic Capacitors		CS	✓	✓	✓	basecap 100%	Basecap Part Number	NO	NO	NO	sulfur free	NC	NO	✓	M3	NO
ALUMINUM - V - Junc. And Strapped Capacitors		UR	NO	NO	NO	M3	Sn	NO	NO	NO	sulfur free	M3	NO	NO	NO	NO
ALUMINUM - Capacitor Shunts, Capacitors		UN	NO	NO	NO	MSL	NO	NO	NO	NO	sulfur free	M3	2003	NO	NO	NO
ALUMINUM - Wet electrolytic Capacitors		UN	NO	NO	NO	MSL	NO	NO	NO	NO	sulfur free	M3	2003	NO	NO	NO
ALUMINUM - Wet electrolytic Capacitors		EU	NO	NO	NO	MSL	NO	NO	NO	NO	sulfur free	M3	2003	NO	NO	NO

Vishay is in the process of identify all lead-free finishes with the following marking:



Parts that are completely lead-free (including the internal structure) will be identified with the following marking:



This marking will be present on all minimum packing units such as reels, ammo packs, etc.

