

Electrocube, Inc. RoHS / Pb-Free Product Information Table

3366 Pomona Blvd., Pomona, California 91768, Phone: 909-595-4037, Fax: 909-595-0186, E-Mail: esales@www.electrocube.com, Web Site: www.electrocube.com

ELECTROCUBE PART NUMBER	PRODUCT DESCRIPTION	RoHS DATA (ref RoHS DIRECTIVE EU 2002/95/EC)						Pb-FREE (ref IPC/JEDEC J-STD-609A.01-2011) / SOLDER PROFILE DATA														CHEMICAL COMPOSITION	MANUFACTURER'S NOTES	REV			
		RoHS Compliant Product? (Y/N)	RoHS Exemptions Exercised?	SEE NOTE	Part Number Revised for RoHS Compliant Product? [Y/N]	Transition Datecode (YYWW)? See NOTE 1	Package Labeling to Indicate RoHS Compliant Product?	Packing List to Indicate RoHS Compliant Product? (Y/N)	Link to RoHS Declaration? (Y/N)	Pb-Free Product? (Y/N)	SEE NOTE	Part Number Revised for Pb-Free Product? [Y/N]	Transition Datecode (YYWW)? See NOTE 1	Package Labeling Method to Indicate Pb-Free Product?	Packing List to Indicate Pb-Free Product? (Y/N)	Link to Pb-Free Declaration? (Y/N)	2nd Level Interconnect Lead Finish Category? (Y/N)	2nd Level Interconnect Pb-Free? (Y/N)	Maximum Safe Process Temperature (degrees C)?	Moisture Sensitivity Level (ref IPC/JEDEC J-STD-020)?	Max Dwell Time (seconds)?				Backward Compatible into Pb Solder Processes? (Y/N)	Link to Part Qualification?	Link for Chemical Content Declaration (ref IPC-1752 Joint Industry Guide or IMDS Data Sheet or AIAG ELY Spreadsheet)
230B/C/D SERIES	CAPACITOR, METALIZED POLYESTER FILM, TAPE WRAP & FILL, AXIAL LEAD WIRES	Y	9a	2	N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
231A SERIES	CAPACITOR, METALIZED POLYESTER FILM, EPOXY BOX CASE, AXIAL LEAD WIRES	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
232A SERIES	CAPACITOR, METALIZED POLYESTER FILM, EPOXY BOX CASE, RADIAL LEAD WIRES	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
244 SERIES	CAPACITOR, METALIZED POLYESTER FILM, EPOXY BOX CASE, INSUL-STRANDED MTW WIRE LEADS	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	NA	Y	NA/125C	NA	NA	NA	NO	NO	NO	Typically manual solder or mechanical-crimp terminated.	7/25/2011	
247/248 SERIES	CAPACITOR, METALIZED POLYESTER FILM, EPOXY BOX CASE, FASTON M-SPADE TERMS	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	NA	Y	NA/125C	NA	NA	NA	NO	NO	NO	Typically mechanical crimp lug terminated	7/25/2011	
250B/D SERIES	CAPACITOR, POLYESTER FILM & FOIL, TAPE WRAP & FILL, AXIAL LEAD WIRES	Y	9a	2	N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
251A SERIES	CAPACITOR, POLYESTER FILM & FOIL, EPOXY BOX CASE, AXIAL LEAD WIRES	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
252A SERIES	CAPACITOR, POLYESTER FILM & FOIL, EPOXY BOX CASE, RADIAL LEAD WIRES	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
330B/C/D SERIES	CAPACITOR, METALIZED POLYPHENYLENE SULFIDE FILM, TAPE WRAP & FILL, AXIAL LEAD WIRES	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
332A SERIES	CAPACITOR, METALIZED POLYPHENYLENE SULFIDE FILM, EPOXY BOX CASE, RADIAL LEAD WIRES	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
333A SERIES	CAPACITOR, METALIZED POLYPHENYLENE SULFIDE FILM, EPOXY BOX CASE, AXIAL LEAD WIRES	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
351D SERIES	CAPACITOR, METALIZED POLYPHENYLENE SULFIDE FILM, HERMETIC, AXIAL LEAD WIRES	N	6a, 7c-1	3	N	NOTE 3	NA	Y	NO	N	3	N	NOTE 3	NA	Y	NO	e0 (Sn/Pb)	N	NA/125C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011
410B/D SERIES	CAPACITOR, POLYSTYRENE FILM & FOIL, TAPE WRAP & FILL, AXIAL LEAD WIRES	N	9a	2,4	N	NOTES 2,4	NA	Y	NO	N	4	N	NOTE 4	NA	Y	NO	e3 (Sn)	Y	NA/85C	NA	NA	Y	NO	NO	NO	Typically manually solder terminated.	7/28/2011
520B SERIES	CAPACITOR, POLYESTER & KRAFT FILM & FOIL, TAPE WRAP & FILL, AXIAL LEAD WIRES	N	9a	2,4	N	NOTES 2,4	NA	Y	NO	N	4	N	NOTE 4	NA	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011
524D/J/K/F/E SERIES	CAPACITOR, POLYESTER & KRAFT FILM, HERMETIC, AXIAL LEAD WIRES	N	6a, 7c-1	3	N	NOTE 3	NA	Y	NO	N	3	N	NOTE 3	NA	Y	NO	e0 (Sn/Pb)	N	NA/125C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011
650B/C/D SERIES	CAPACITOR, METALIZED POLYCARBONATE FILM, TAPE WRAP & FILL, AXIAL LEAD WIRES	Y	9a	2	N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
651D SERIES	CAPACITOR, METALIZED POLYCARBONATE FILM, HERMETIC, AXIAL LEAD WIRES	N	6a, 7c-1	3	N	NOTE 3	NA	Y	NO	N	3	N	NOTE 3	NA	Y	NO	e0 (Sn/Pb)	N	NA/125C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011
652A SERIES	CAPACITOR, METALIZED POLYCARBONATE FILM, EPOXY BOX CASE, RADIAL LEAD WIRES	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
653A SERIES	CAPACITOR, METALIZED POLYCARBONATE FILM, EPOXY BOX CASE, AXIAL LEAD WIRES	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
730B/D SERIES	CAPACITOR, COMBINATION FILM, TAPE WRAP & FILL, AXIAL LEAD WIRES	Y	9a	2	N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/105C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
926B SERIES	CAPACITOR, METALIZED POLYPROPYLENE FILM, EPOXY BOX CASE, TAB/LUG TERMS	N	4	N	NOTE 4	NA	Y	NO	N	4	N	NOTE 4	NA	Y	NO	NA	NA	NA/105C	NA	NA	NA	NO	NO	NO	Typically mechanical hardware terminated	7/25/2011	
931A SERIES	CAPACITOR, METALIZED POLYPROPYLENE FILM, EPOXY BOX CASE, AXIAL LEAD WIRES	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/105C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
932A SERIES	CAPACITOR, METALIZED POLYPROPYLENE FILM, EPOXY BOX CASE, RADIAL LEAD WIRES	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/105C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
935B/D SERIES	CAPACITOR, METALIZED POLYPROPYLENE FILM, TAPE WRAP & FILL, AXIAL LEAD WIRES	Y	9a	2	N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/105C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
945B/D SERIES	CAPACITOR, METALIZED POLYPROPYLENE FILM, TAPE WRAP & FILL, AXIAL LEAD WIRES	Y	9a	2	N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/105C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
950B/D SERIES	CAPACITOR, POLYPROPYLENE FILM & FOIL, TAPE WRAP & FILL, AXIAL LEAD WIRES	Y	9a	2	N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/105C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
951A SERIES	CAPACITOR, POLYPROPYLENE FILM & FOIL, EPOXY BOX CASE, AXIAL LEAD WIRES	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/105C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
952A SERIES	CAPACITOR, POLYPROPYLENE FILM & FOIL, EPOXY BOX CASE, RADIAL LEAD WIRES	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/105C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
970/971 SERIES	CAPACITOR, METALIZED POLYPROPYLENE FILM, EPOXY BOX CASE, FASTON M-SPADE TERMS	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	NA	Y	NA/105C	NA	NA	NA	NO	NO	NO	Typically mechanical crimp lug terminated	7/25/2011	
RG1676 SERIES	RC NETWORK, EPOXY BOX CASE, INSUL-STRANDED MTW WIRE LEADS	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	NA	Y	NA/125C	NA	NA	NA	NO	NO	NO	Typically manual solder or mechanical-crimp terminated.	7/25/2011	
RG1780/1781/1782/1783/1784 SERIES	RC NETWORK, EPOXY BOX CASE, RADIAL SOLID WIRE LEADS	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	
RG1983/1986/1988/2030/2031 SERIES	RC NETWORK, EPOXY BOX CASE, INSUL-STRANDED MTW WIRE LEADS	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	NA	Y	NA	NA	NA	NA	NO	NO	NO	Typically manual solder or mechanical-crimp terminated.	7/25/2011	
RG2377/2406 SERIES	RC NETWORK, EPOXY BOX CASE, INSUL-STRANDED MTW WIRE LEADS	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	NA	Y	NA	NA	NA	NA	NO	NO	NO	Typically manual solder or mechanical-crimp terminated.	7/25/2011	
RG2408/2409/2411 SERIES	RC NETWORK, DIN-RAIL PLASTIC CASE, SCREW TERMINALS	N	5	N	NOTE 5	NA	Y	NO	N	5	N	NOTE 5	NA	Y	NO	NA	N	NA	NA	NA	NA	NO	NO	NO	Typically mechanical hardware terminated	7/25/2011	
RG2561/2562/2563/2564 SERIES	RC NETWORK, EPOXY BOX CASE, INSUL-STRANDED MTW WIRE LEADS	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	NA	Y	NA	NA	NA	NA	NO	NO	NO	Typically manual solder or mechanical-crimp terminated.	7/25/2011	
RG2571/2572/2573/2574 SERIES	RC NETWORK, EPOXY BOX CASE, INSUL-STRANDED MTW WIRE LEADS	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	NA	Y	NA	NA	NA	NA	NO	NO	NO	Typically manual solder or mechanical-crimp terminated.	7/25/2011	
RG2675/2676/2677/2678 SERIES	RC NETWORK, EPOXY-DIPPED, RADIAL SOLID WIRE LEADS	Y			N	0540	"RoHS Compliant" symbol & text	Y	NO	Y	N	0540	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	NO	Typically wave-flow or manually solder terminated.	7/28/2011	

Electrocube, Inc. RoHS / Pb-Free Product Information Table

3366 Pomona Blvd., Pomona, California 91768, Phone: 909-595-4037, Fax: 909-595-0186, E-Mail: esales@www.electrocube.com, Web Site: www.electrocube.com

ELECTROCUBE PART NUMBER	PRODUCT DESCRIPTION	RoHS DATA (ref RoHS DIRECTIVE EU 2002/95/EC)							Pb-FREE (ref IPC/JEDEC J-STD-609A.01-2011) / SOLDER PROFILE DATA													CHEMICAL COMPOSITION	MANUFACTURER'S NOTES	REV		
		RoHS Compliant Product? (Y/N)	RoHS Exemptions Exercised?	SEE NOTE	Part Number Revised for RoHS Compliant Product? [Y/N]	Transition Datecode (YYWW)? See NOTE 1	Package Labeling to Indicate RoHS Compliant Product?	Packing List to Indicate RoHS Compliant Product? (Y/N)	Link to RoHS Declaration? (Y/N)	Pb-Free Product? (Y/N)	SEE NOTE	Part Number Revised for Pb-Free Product? [Y/N]	Transition Datecode (YYWW)? See NOTE 1	Package Labeling Method to Indicate Pb-Free Product?	Packing List to Indicate Pb-Free Product? (Y/N)	Link to Pb-Free Declaration? (Y/N)	2nd Level Interconnect Lead Finish Category?	2nd Level Interconnect Pb-Free? (Y/N)	Maximum Safe Process Temperature (degrees C)?	Moisture Sensitivity Level (ref IPC/JEDEC J-STD-020)?	Max Dwell Time (seconds)?				Backward Compatible into Pb Solder Processes? (Y/N)	Link to Part Qualification?
F-Dyne / Southern Electronics Film Capacitors (various series)																										
PE11 /12 /13 /21 /22 /23 SERIES	CAPACITOR, POLYESTER FILM & FOIL, TAPE WRAP & FILL, AXIAL LEAD WIRES	Y	9a	6.8	N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	8	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
PE31 /41 SERIES	CAPACITOR, POLYESTER FILM & FOIL, EPOXY ROUND BOX CASE, AXIAL LEAD WIRES	Y		8	N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	8	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
PE51 SERIES	CAPACITOR, POLYESTER FILM & FOIL, EPOXY BOX CASE, RADIAL LEAD WIRES	Y		8	N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	8	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
PE61 SERIES	CAPACITOR, POLYESTER FILM & FOIL, HERMETIC, AXIAL LEAD WIRES	N	6a, 7c-1	7	N	NOTE 7	NA	Y	NO	N	7	N	NOTE 7	NA	Y	NO	e0 (Sn/Pb)	N	NA/125C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
MPE11 /11H /12 /13 /14 /21 /21AC /22 /23 SERIES	CAPACITOR, METALIZED POLYESTER FILM, TAPE WRAP & FILL, AXIAL LEAD WIRES	Y	9a	6	N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	N	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
MPE41 SERIES	CAPACITOR, METALIZED POLYESTER FILM, EPOXY BOX CASE, AXIAL LEAD WIRES	Y			N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	N	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
MPE51 SERIES	CAPACITOR, METALIZED POLYESTER FILM, EPOXY BOX CASE, RADIAL LEAD WIRES	Y			N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	N	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
MPE61 SERIES	CAPACITOR, METALIZED POLYESTER FILM, HERMETIC, AXIAL LEAD WIRES	N	6a, 7c-1	7	N	NOTE 7	NA	Y	NO	N	7	N	NOTE 7	NA	Y	NO	e0 (Sn/Pb)	N	NA/125C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
PP11 /21 SERIES	CAPACITOR, POLYPROPYLENE FILM & FOIL, TAPE WRAP & FILL, AXIAL LEAD WIRES	Y	9a	6.8	N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	8	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/105C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
PP51 SERIES	CAPACITOR, POLYPROPYLENE FILM & FOIL, EPOXY BOX CASE, RADIAL LEAD WIRES	Y		8	N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	8	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/105C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
PP61 SERIES	CAPACITOR, POLYPROPYLENE FILM & FOIL, HERMETIC, AXIAL LEAD WIRES	N	6a, 7c-1	7	N	NOTE 7	NA	Y	NO	N	7	N	NOTE 7	NA	Y	NO	e0 (Sn/Pb)	N	NA/105C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
MPP11 /21 /HC SERIES	CAPACITOR, METALIZED POLYPROPYLENE FILM, TAPE WRAP & FILL, AXIAL LEAD WIRES	Y	9a	6	N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	N	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/105C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
MPP51 SERIES	CAPACITOR, METALIZED POLYPROPYLENE FILM, EPOXY BOX CASE, RADIAL LEAD WIRES	Y			N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	N	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/105C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
MPP61 SERIES	CAPACITOR, METALIZED POLYPROPYLENE FILM, HERMETIC, AXIAL LEAD WIRES	N	6a, 7c-1	7	N	NOTE 7	NA	Y	NO	N	7	N	NOTE 7	NA	Y	NO	e0 (Sn/Pb)	N	NA/105C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
PC11 /12 /21 SERIES	CAPACITOR, POLYCARBONATE FILM & FOIL, TAPE WRAP & FILL, AXIAL LEAD WIRES	Y	9a	6.8	N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	8	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
PC41 SERIES	CAPACITOR, POLYCARBONATE FILM & FOIL, EPOXY BOX CASE, RADIAL LEAD WIRES	Y		8	N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	8	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
PC61 SERIES	CAPACITOR, POLYCARBONATE FILM & FOIL, HERMETIC, AXIAL LEAD WIRES	N	6a, 7c-1	7	N	NOTE 7	NA	Y	NO	N	7	N	NOTE 7	NA	Y	NO	e0 (Sn/Pb)	N	NA/125C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
MPC11 /12 /13 /21 /22 /23 SERIES	CAPACITOR, METALIZED POLYCARBONATE FILM, TAPE WRAP & FILL, AXIAL LEAD WIRES	Y	9a	6	N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	N	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
MPC41 SERIES	CAPACITOR, METALIZED POLYCARBONATE FILM, EPOXY BOX CASE, AXIAL LEAD WIRES	Y			N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	N	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
MPC51 /53 SERIES	CAPACITOR, METALIZED POLYCARBONATE FILM, EPOXY BOX CASE, RADIAL LEAD WIRES	Y			N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	N	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
MPC61 SERIES	CAPACITOR, METALIZED POLYCARBONATE FILM, HERMETIC, AXIAL LEAD WIRES	N	6a, 7c-1	7	N	NOTE 7	NA	Y	NO	N	7	N	NOTE 7	NA	Y	NO	e0 (Sn/Pb)	N	NA/125C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
MPPS11 /12 /13 /21 /22 /23 SERIES	CAPACITOR, METALIZED POLYPHENYLENE SULFIDE FILM, TAPE WRAP & FILL, AXIAL LEAD WIRES	Y	9a	6	N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	N	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
MPPS41 SERIES	CAPACITOR, METALIZED POLYPHENYLENE SULFIDE FILM, EPOXY BOX CASE, AXIAL LEAD WIRES	Y			N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	N	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
MPPS51 /53 SERIES	CAPACITOR, METALIZED POLYPHENYLENE SULFIDE FILM, EPOXY BOX CASE, RADIAL LEAD WIRES	Y			N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	N	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/125C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
MPPS61 SERIES	CAPACITOR, METALIZED POLYPHENYLENE SULFIDE FILM, HERMETIC, AXIAL LEAD WIRES	N	6a, 7c-1	7	N	NOTE 7	NA	Y	NO	N	7	N	NOTE 7	NA	Y	NO	e0 (Sn/Pb)	N	NA/125C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
PS11 /12 /21 SERIES	CAPACITOR, POLYSTYRENE FILM & FOIL, TAPE WRAP & FILL, AXIAL LEAD WIRES	Y	9a	6.8	N	NOTE 6	NA	Y	NO	Y	8	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/85C	NA	NA	Y	NO	NO	Typically manually solder terminated.	7/29/2011
PS41 SERIES	CAPACITOR, POLYSTYRENE FILM & FOIL, EPOXY BOX CASE, AXIAL LEAD WIRES	N		8	N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	8	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/85C	NA	NA	Y	NO	NO	Typically manually solder terminated.	7/29/2011
PS51 SERIES	CAPACITOR, POLYSTYRENE FILM & FOIL, EPOXY BOX CASE, RADIAL LEAD WIRES	N		8	N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	8	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/85C	NA	NA	Y	NO	NO	Typically manually solder terminated.	7/29/2011
PS61 SERIES	CAPACITOR, POLYSTYRENE FILM & FOIL, HERMETIC, AXIAL LEAD WIRES	N	6a, 7c-1	7	N	NOTE 7	NA	Y	NO	N	7	N	NOTE 7	NA	Y	NO	e0 (Sn/Pb)	N	NA/85C	NA	NA	Y	NO	NO	Typically manually solder terminated.	7/29/2011
PF11 SERIES	CAPACITOR, POLYSULFONE FILM & FOIL, TAPE WRAP & FILL, AXIAL LEAD WIRES	Y	9a	6.8	N	NOTE 6	NA	Y	NO	Y	8	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/150C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
MPF11 SERIES	CAPACITOR, METALIZED POLYSULFONE FILM, TAPE WRAP & FILL, AXIAL LEAD WIRES	Y	9a	6	N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	N	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/150C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011
MPF51 SERIES	CAPACITOR, METALIZED POLYSULFONE FILM, EPOXY BOX CASE, RADIAL LEAD WIRES	Y			N	0701	"RoHS Compliant" symbol & text	Y	NO	Y	N	N	0701	"Pb-Free" symbol & text	Y	NO	e3 (Sn)	Y	NA/150C	NA	NA	Y	NO	NO	Typically wave-flow or manually solder terminated.	7/29/2011

Electrocube, Inc. RoHS / Pb-Free Product Information Table

3366 Pomona Blvd., Pomona, California 91768, Phone: 909-595-4037, Fax: 909-595-0186, E-Mail: esales@www.electrocube.com, Web Site: www.electrocube.com

ELECTROCUBE PART NUMBER	PRODUCT DESCRIPTION	RoHS DATA (ref RoHS DIRECTIVE EU 2002/95/EC)										Pb-FREE (ref IPC/JEDEC J-STD-609A.01-2011) / SOLDER PROFILE DATA										CHEMICAL COMPOSITION	MANUFACTURER'S NOTES	REV
		RoHS Compliant Product? (Y/N)	RoHS Exemptions Exercised?	SEE NOTE	Part Number Revised for RoHS Compliant Product? [Y/N]	Transition Datecode (YYWW)? See NOTE 1	Package Labeling to Indicate RoHS Compliant Product?	Packing List to Indicate RoHS Compliant Product? (Y/N)	Link to RoHS Declaration?	Pb-Free Product? (Y/N)	SEE NOTE	Part Number Revised for Pb-Free Product? [Y/N]	Transition Datecode (YYWW)? See NOTE 1	Package Labeling Method to Indicate Pb-Free Product?	Packing List to Indicate Pb-Free Product? (Y/N)	Link to Pb-Free Declaration?	2nd Level Interconnect Lead Finish Category?	2nd Level Interconnect Pb-Free? (Y/N)	Maximum Safe Process Temperature (degrees C)?	Moisture Sensitivity Level (ref IPC/JEDEC J-STD-020)?	Max Dwell Time (seconds)?	Backward Compatible into Pb Solder Processes? (Y/N)	Link to Part Qualification?	Link for Chemical Content Declaration (ref IPC-1752 Joint Industry Guide or IMDS Data Sheet or AIAG ELY Spreadsheet)
		NOTE 1: Post date code (YYWW) 0539, Electrocube shall identify RoHS NON-Compliant and Lead (Pb) containing NON-Pb-Free product by use of special date code (YYWWX) having 5th alpha character "X" designating NON-RoHS Compliant and Lead (Pb) containing NON-Pb-Free condition of product.																						
		NOTE 2: Electrocube does not currently purchase or use materials or components utilizing DecaBDE as a flame retardent. For the period from October 2005 to October 2006, Electrocube exercised use of the "DecaBDE Exemption" (RoHS Annex Exemption 9a) to consume existing inventory of specific insulating tape materials, used typically on tape-wrapped case capacitor styles, as they were being replaced by procurement of fully compliant alternative tape materials during the same period. Product identified with date codes of 0640 and subsequent shall be considered compliant without use of the DecaBDE Exemption. The RoHS DecaBDE Exemption was annulled 04/01/08, and expired 06/30/08.																						
		NOTE 3: Series 351, 524 and 651 shall be considered to be currently RoHS Non-Compliant product, but may be provided as RoHS Compliant product, if / as required by customer requirement, and as may be negotiated at time of quotation and order placement, by use of specific alternative construction and components, revised to eliminate some Lead(Pb) content in materials, plated finishes of components, and by exercise of specific RoHS Exemptions 6a and 7c-1 for Lead (Pb) content (in excess of Pb-Free requirements), necessarily contained in steel alloy, and in glass / ceramic elements of component parts used in product construction. This product shall not be considered to be Pb-Free.																						
		NOTE 4: Series 410, 520 and 926 shall be considered to be RoHS Non-Compliant product, but may be provided as RoHS Compliant product, if / as required by specific customer requirement, and as may be negotiated at time of quotation and order placement, by use of specific alternative construction, revised to eliminate Lead(Pb) content in plated finishes of materials used internal to the product.																						
		NOTE 5: Series RG2408, RG2409 and RG2411 shall be considered to be RoHS Non-Compliant product, but effective date code 0626 may be provided as RoHS Compliant and Pb-Free product, if / as required by customer requirement, and as may be negotiated at time of quotation and order placement, by use of specific alternative construction, revised to eliminate Lead(Pb) content in plated finishes of materials and in components used internal to the product.																						
		NOTE 6: Electrocube / F-Dyne / Southern Electronics does not currently purchase or use materials or components utilizing DecaBDE as a flame retardent. For the period from through December 2006, F-Dyne / Southern Electronics exercised use of the "DecaBDE Exemption" (RoHS Annex Exemption 9a) to consume existing inventory of specific insulating tape materials, used typically on tape-wrapped case capacitor styles, as they were being replaced by procurement of fully compliant alternative tape materials during the same period. Product identified with date codes of 0701 and subsequent shall be considered compliant without use of the DecaBDE Exemption. The RoHS DecaBDE Exemption was annulled 04/01/08, and expired 06/30/08.																						
		NOTE 7: Series PE61, MPE61, PP61, MPP61, PC61, MPC61, MPPS61 and PS61 shall be considered to be currently RoHS Non-Compliant product, but may be provided as RoHS Compliant product, if / as required by customer requirement, and as may be negotiated at time of quotation and order placement, by use of specific alternative construction and components, revised to eliminate some Lead(Pb) content in materials, plated finishes of components, and by exercise of specific RoHS Exemptions 6a and 7c-1 for Lead (Pb) content (in excess of Pb-Free requirements), necessarily contained in steel alloy, and in glass / ceramic elements of component parts used in product construction. This product shall not be considered to be Pb-Free.																						
		NOTE 8: Series PE11 /12 /13 /21 /22 /23 /31 /41 /51, PP11 /21 /51, PC11 /12 /21 /41, PS11 /12 /21 /41 /51, and PF11 shall be provided as RoHS Compliant product, but shall in some limited cases (of reduced capacity value and physical size) be more immediately available and provided as RoHS Non-Compliant product, as construction is revised, and procurement and substitution of RoHS Compliant materials are phased-in, to eliminate Lead(Pb) content in Tin(Sn) foil material necessarily used internal to the affected products.																						