

Films RoHS Compliance Worksheet

Series or Type	Description or Photo	RoHS compliance Identification on Device	Termination Finish	PB Free	RoHS Compliant	Compliant Part Number	Package Marking	Date Compliant	Moisture Sensitivity Level (IPC/JEDEC-STD_020C)	Soldering Conditions (temp/Time)	NOTES
POLYESTER FILM CAPACITORS											
WMF Note #1	Axial round, Film/Foil	-F on Parts	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s	#1 - DC film non-compliant inventories once individual part number(s) is depleted replacement part(s) will have -F added to end of part number to signify RoHS compliance.
WMC Note #1	Axial round, Film/Foil	-F on Parts	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s	
MMA Note #1	Axial oval, Metallized	-F on Parts	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s	
MMP Note #1	Axial oval, Metallized	-F on Parts	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s	
MMWA Note #1	Axial round, Metallized	-F on Parts	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s	
150	Axial round, Metallized	Date Code	Sn	<1000 PPM	Y	No change	Per JESD97	0518	N/A	260°C/10s	
158X	Radial box, Metallized	Date Code	Sn	<1000 PPM	Y	No change	Per JESD97	1/1/05	N/A	260°C/10s	
160	Radial box, Metallized	-F on Parts	Sn	<1000 PPM	Y	Add -F	Per JESD97	2/1/06	N/A	260°C/10s	
167/184	Radial box, Metallized	see note	Sn	<1000 PPM	Y	see note	Per JESD97	1/1/06	N/A	260°C/10s	Parts date coded 01/01/04 - 03/31/06 are RoHS compliant. New production as of 04/01/06 add suffix -F to part number for RoHS compliant parts.
168/185	Radial box, Metallized	see note	Sn	<1000 PPM	Y	see note	Per JESD97	1/1/06	N/A	260°C/10s	Parts date coded 01/01/04 - 03/31/06 are RoHS compliant. New production as of 04/01/06 add suffix -F to part number for RoHS compliant parts.
225P	Radial dipped Film / Foil	No change	Sn	<1000 PPM	Y	No change	Per JESD97	8/1/2005	N/A	260°C/10s	
418P	Radial dipped Film / Foil	No change	Sn	<1000 PPM	Y	No change	Per JESD97	8/1/2005	N/A	260°C/10s	
425M	Radial dipped, Metallized	No change	Sn	<1000 PPM	Y	No change	Per JESD97	8/1/2005	N/A	260°C/10s	
CS	Capstick	NONE	SnPb	N	RoHS-5	No change			N/A	260°C/5s	Thru Hole part, wave solder
CS	Capstick	NONE	Sn	<1000 PPM	Y	Add -FA	Per JESD97		N/A	260°C/5s	Thru Hole part, wave solder
DLR Note #1	Radial oval, Film/Foil	-F on Parts	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s	
DMT Note #1	Radial oval, Film/Foil	-F on Parts	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s	
DSF	Radial oval, Stacked Metallized	Date Code	Sn	<1000 PPM	Y	No change	Per JESD97	1/1/2006	N/A	260°C/10s	
DME Note #1	Radial oval, Metallized	-F on Parts	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s	
DMM Note #1	Radial oval, Metallized	-F on Parts	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s	
DMMA Note #1	Radial oval, Metallized	-F on Parts	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s	
MEXY	Radial box, Metallized	None	Sn	<1000 PPM	Y	No change	Per JESD97	1/1/03	N/A	260°C/10s	
PS	Radial dipped Metallized	None	Sn	<1000 PPM	Y	No change	PER JESD97	8/1/2005	N/A	260°C/10s	
Q/QRL	Radial oval, Metallized	NONE	Sn	<1000 PPM	Y	No change	Per JESD97	1/1/03	N/A	260°C/10s	
RA	Radial Stacked Metallized	NONE	SnPb	N	RoHS-5	No change			N/A	260°C/5s	
RA	Radial Stacked Metallized	NONE	Sn	<1000 PPM	Y	Add -FA	Per JESD97		N/A	260°C/5s	
POLYPROPYLENE CAPACITORS											
170	Axial round, Metallized	Date Code	Sn	<1000 PPM	Y	No change	Per JESD97	5/1/05	N/A	260°C/10s	
171 Note #1	Radial box, Metallized	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s	
715P	Radial dipped Film/Foil	None	Sn	<1000 PPM	Y	No Change	Per JESD97	8/1/2005	N/A	260°C/10s	
716P	Radial dipped Film/Foil	None	Sn	<1000 PPM	Y	No Change	Per JESD97	8/2/2005	N/A	260°C/10s	
716P-HV	Radial dipped Film/Foil	None	Sn	<1000 PPM	Y	No Change	Per JESD97	8/3/2005	N/A	260°C/10s	
715P/717P	Radial dipped Film/Foil	None	Sn	<1000 PPM	Y	No Change	Per JESD97	8/4/2005	N/A	260°C/10s	
718P-719P	Radial dipped Film/Foil	None	Sn	<1000 PPM	Y	No Change	Per JESD97	8/5/2005	N/A	260°C/10s	
725M	Radial dipped Film/Foil	None	Sn	<1000 PPM	Y	No Change	Per JESD97	8/6/2005	N/A	260°C/10s	
773P	Radial dipped Film/Foil	None	Sn	<1000 PPM	Y	No Change	Per JESD97	8/7/2005	N/A	260°C/10s	

778P/779P	Radial dipped Film/Foil	None	Sn	<1000 PPM	Y	No Change	Per JESD97	8/8/2005	N/A	260°C/10s
930 Note #1	Axial round, Metallized	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s
932C Note #1	Axial round, Metallized	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s
935 Note #1	Axial round, Metallized	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s
936C Note #1	Axial oval, Metallized	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s
940C Note #1	Axial round, Metallized	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s
941C Note #1	Axial oval, Metallized	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s
942C Note #1	Axial round, Film/Foil Hybrid	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s
943C Note #1	Axial oval, Film/Foil Hybrid	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s
944U	Screw Terminal, Metallized	None	Sn	<1000 PPM	Y	No change	Per JESD97	9/1/2009	N/A	N/A
945U	Screw Terminal, Metallized	None	Sn	<1000 PPM	Y	No change	Per JESD97	9/1/2009	N/A	N/A
946C Note #1	Axial round, Metallized	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s
947C	Screw Terminal, Metallized	None	Sn	<1000 PPM	Y	No change	Per JESD97	1/1/2008	N/A	N/A
950 Note #1	Axial round, Metallized	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s
BLC	Box, Metallized	NONE	Sn	<1000 PPM	Y	No Change	Per JESD97	10/1/2012	N/A	260°C/10s
DPP Note #1	Radial oval, Film/Foil	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s
DPPF Note #1	Radial round, Film/Foil	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s
DPPM Note #1	Radial oval, Film/Foil	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s
DPM Note #1	Radial oval, Metallized	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s
MPX	Radial box, Metallized	Date Code	Sn	<1000 PPM	Y	No change	Per JESD97	5/1/05	N/A	260°C/10s
PS	Radial dipped Metallized	None	Sn	<1000 PPM	Y	No Change	PER JESD97	8/1/2005	N/A	
PVC	Radial round, Film/Foil	Date Code	Sn	<1000 PPM	Y	No change	Per JESD97	5/31/05	N/A	260°C/10s
UNL	Snap-in, Metallized	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	7/1/06	N/A	260°C/10s
SCC	Box, Metallized	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	7/1/06	N/A	260°C/10s
SCD	Box, Metallized	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	7/1/06	N/A	260°C/10s
SCM	Box, Metallized	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	7/1/06	N/A	260°C/10s
WPP Note #1	Axial round, Film/Foil	-F on Part	Sn	<1000 PPM	Y	Add -F	Per JESD97	1/1/2006	N/A	260°C/10s
<u>Teflon®</u>										
MCM	Metal Clad Teflon®	N/A	Ag	<1000 PPM	Y	add suffix -F	PER JESD97	ALWAYS	W/A	260°C/10s

Revision Date: 8/28/13

To the best of our knowledge, the information provided on the enclosed is correct as of the date indicated on the document. Since some of the information is provided by the acceptance of data from sources outside of Cornell Dubilier Electronics, we can not guarantee that all is complete and accurate.