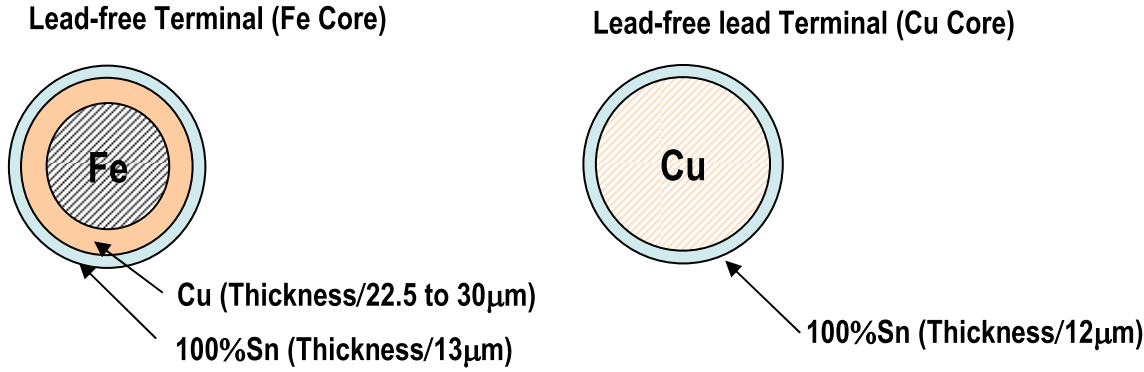


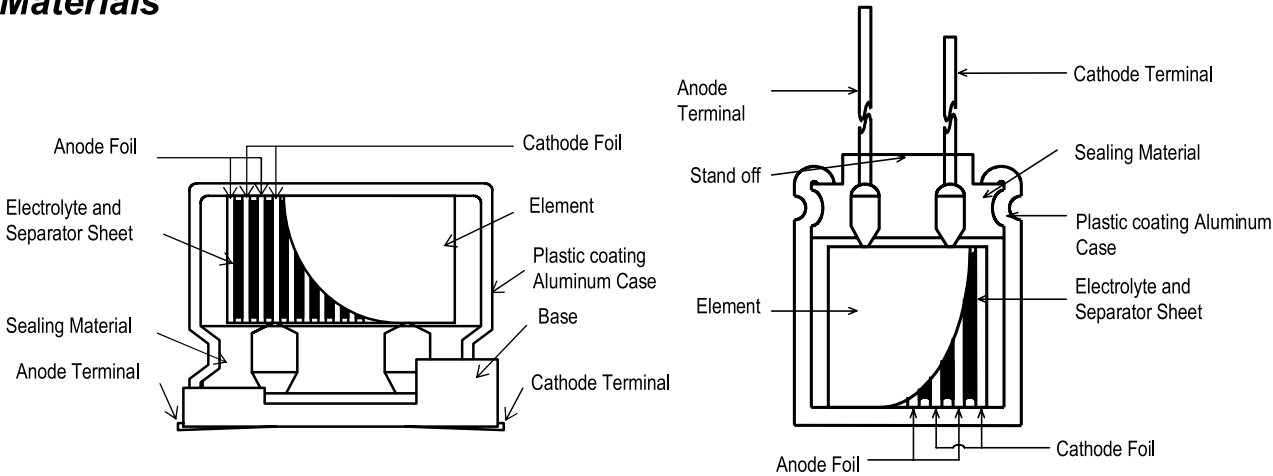
FPCAP Functional Polymer Aluminum Solid Electrolytic Capacitors

Lead-free Materials

Kind of Lead-free Terminal



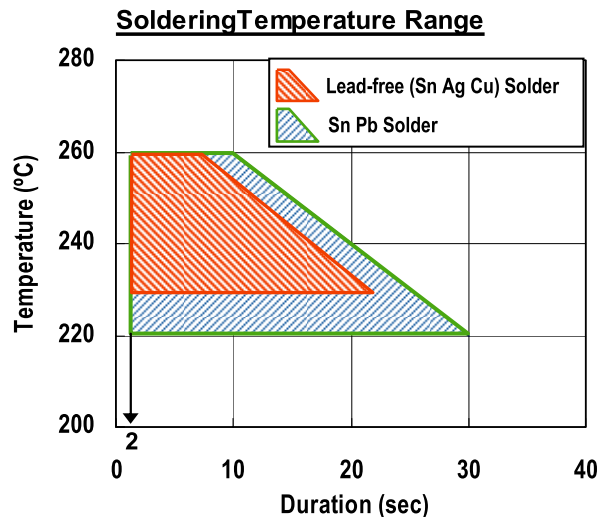
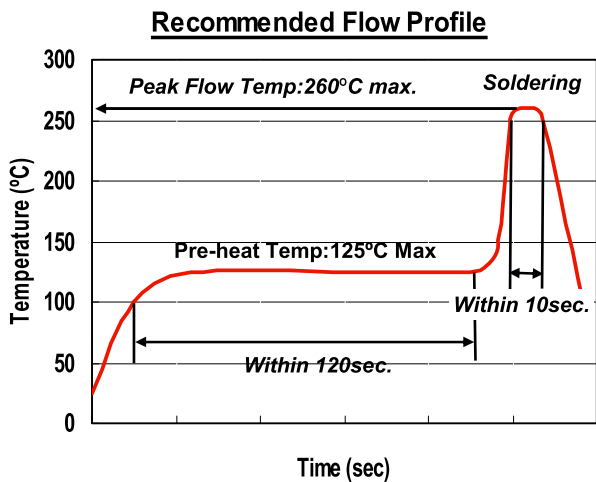
Materials



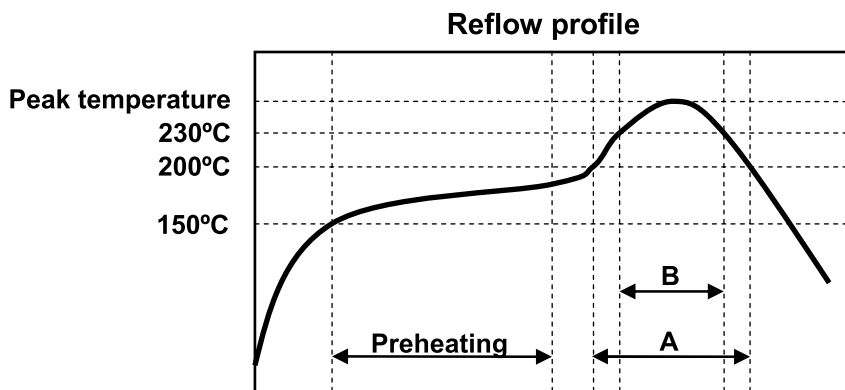
Composition Part	Materials	
	SMD type	Radial Lead type
Anode Foil	Aluminum	Aluminum
Cathode Foil	Aluminum	Aluminum
Separator Sheet	Synthetic Paper	Synthetic Paper
Electrolyte	Functional Polymer	Functional Polymer
Terminal	Copper Lead + Tin Plating	(1) Iron Lead + Copper Plating + Tin Plating (2) Copper Lead + Tin Plating
Aluminum Case	Aluminum + Plastic	Aluminum + Plastic
Sealing Material	Rubber	Rubber
Base	Plastic (Halogen-free)	-

Soldering Profile on Lead-free and RoHS Compliance

Flow Soldering (Radial lead type)



Reflow Soldering (SMD type)



Item	Recommended Condition 1	Recommended Condition 2
Peak Temperature	260°C or less	250°C or less
Preheating	150°C to 180°C 90 seconds	150°C to 180°C 90 seconds
A	200°C and higher Within 60 seconds	200°C and higher Within 60 seconds
B	230°C and higher Within 40 seconds	230°C and higher Within 40 seconds
The number of reflow	Only 1 time	Twice or less