

alpha-fry™

Technical Data Sheet

SM1144-2

Alpha-Fry™ EGS Sn63Pb37, Sn60Pb40

TIN LEAD SOLDER ALLOY

DESCRIPTION

Alpha-Fry™ EGS Sn63Pb37 and EGS Sn60Pb40 are the most common eutectic SnPb alloys available in the industry before lead-free conversion. Alpha-Fry™ EGS Sn63Pb37 and EGS Sn60Pb40 alloys show excellent wetting characteristic and solderability on various surface finishes.

APPLICATION

Alpha-Fry™ EGS Sn63Pb37 and EGS Sn60Pb40 are suitable for wave and dipping soldering applications. A solder pot temperature of 240 - 250°C is recommended, depending on the soldering application and board designs.

ALLOY COMPOSITION SPECIFICATION

Alpha-Fry™ EGS (%)			
Sn63Pb37		Sn60Pb40	
Sn	63.0 +/- 0.5	Sn	60.0 +/- 0.5
Pb	Balance	Pb	Balance
Ag	0.100 max	Ag	0.100 max
Cu	0.050 max	Cu	0.050 max
Sb	0.100 max	Sb	0.100 max
Zn	0.001 max	Zn	0.001 max
Fe	0.020 max	Fe	0.020 max
As	0.030 max	As	0.030 max
Ni	0.010 max	Ni	0.010 max
Bi	0.100 max	Bi	0.100 max
Cd	0.002 max	Cd	0.002 max
Al	0.001 max	Al	0.001 max
In	0.050 max	In	0.050 max
Au	0.050 max	Au	0.050 max

AVAILABLE PACKAGING

Alpha-Fry™ EGS is available in bars, 20kg per box. For other metal forms requirement, please contact our Sales Department.

HEALTH & SAFETY

Please refer to MSDS for advice on proper handling and safety instructions.

STORAGE

Store the solder bar in a cool, dry and non-corrosive environment. Wrap up the solder bar when not in use to reduce exposure to environment.

SHELF LIFE

Alpha-Fry™ EGS can be kept for 5 years, if proper storage conditions are observed. After certain period of storage, the solder surface shininess may reduce and a dull shade of gray or light yellow may appear. However, this is only a surface phenomenon and will not affect the product functionality.