

alpha-fry™

Technical Data Sheet

SM1107-2

Alpha-Fry™ EGS SC07, SC00

LEAD FREE SOLDER ALLOY

DESCRIPTION

Alpha-Fry™ EGS SC07 is a widely used low-cost Pb-free solder. This alloy delivers excellent soldering performance across a wide range of flux technologies. It shows good wettability on variety of surface finishes.

APPLICATION

Alpha-Fry™ EGS SC07 is suitable for wave, dipping and various soldering applications. These alloys may also be used in wire form for use in solder pot auto feed. A solder pot temperature of 260 - 270°C is recommended, depending on the soldering application and board designs.

Recommended top-up solder is EGS SC00. Top-up the solder with EGS SC00 when the Cu% is $\geq 0.7\%$.

ALLOY COMPOSITION SPECIFICATION

Alpha-Fry™ EGS (%)			
SC07 (Sn99.3Cu0.7)		SC00 (Sn100)	
Sn	Balance	Sn	Balance
Cu	0.7 +/- 0.1	Cu	0.050 max
Ag	0.100 max	Ag	0.100 max
Pb	0.100 max	Pb	0.100 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.