FELDER seit 1979 LÖTTECHNIK

Product Information

Lead-free desoxidation concentrate Sn99Ge1

for FELDER ISO-Tin® NiGe-electronic solder alloys
Sn99Ge1 acc. to Fuji-Pat. No. DE19816671C2

Art.-No. 5512 001089

Description

Germanium decreases during soldering process by oxidation. **FELDER Desoxidation Concentrate Sn99Ge1** regulates the Ge-value to the necessary value by adding in wave soldering-, selective soldering- and HASL-machines.
FELDER Desoxidation Concentrate Sn99Ge1 is also used for the changeover of lead-free standard solder to FELDER NiGe-electronic solder alloys.

Properties

Alloy: Sn99Ge1
Melting point: Reduces in the solder bath to 217 – 227 ° C!

Application

Addition of Ge-concentrate in NiGe-solder bathes per 100 kg capacity

Current Ge-value in %	0,01	0,009	0,008	0,007	0,006	0,005
Ge-Concentrate addition in kg	-------	0,1	0,2	0,3	0,4	0,5
Current Ge-value in %	0,004	0,003	0,002	0,001	0	-------
Ni-Concentrate addition in kg	0,6	0,7	0,8	0,9	1,0	-------

By adding the advised mentioned amounts of the concentrate (Sn99Ge1) a value of 0,01 % germanium in the solder bath is adjusted.

Maximum impurities / Tolerances acc. DIN EN ISO 9453:2014

Element	**Ag**	**Al**	**As**	**Bi**	**Cd**	**Cu**	**Fe**
content (%)	0,10	0,001	0,030	0,10	0,002	0,050	0,020
Element	**Ge**	**Ni**	**Pb**	**Sb**	**Sn**	**Zn**	
content (%)	1,00±0,20	0,01	0,07	0,10	Rest	0,001	

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Delivery Form

Rolled wire cuttings 10 mm x 150 mm, packed in 5,- kg boxes.

Advices

FELDER-ISO-Tin® Lead-free Desoxidation Concentrate do not contain any substances that are subject to restriction by directive 2011/65/EU (“RoHS”).

Unlimited durable when stored in closed boxes and protected against humidity!

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