

## **DIXTRA ELECTRONIC SOLDER BARS**

### **DESCRIPTION**

“DIXTRA ELECTRONIC” bar solder are manufactured using High grade materials: a special proprietary process refine the alloys to obtain high purity and high reliability material. Therefore , I “DIXTRA ELECTRONIC” bar solder can be used in SMD wave soldering, where a good wetability is required.

“DIXTRA ELECTRONIC” are made in the alloy 63Sn37Pb, 60Sn40Pb, 63Sn35Pb2Ag, complying **ISO 9453 :2014 (E)**

### **Standard composition of "DIXTRA ELECTRONIC"63Sn37Pb**

<u><b>ELEMENTS</b></u>	<u><b>DIXTRA 63/37</b></u>	<u><b>ISO 9453 63/37 E</b></u>
Sn %	62,5 - 63,5	62,5 - 63,5
Cu %	< 0,002	0,08
Fe%	0,002	0,02
As%	< 0,005	0,03
Bi%	< 0,004	0,05
Sb%	< 0,005	0,05
Ag%	0,005	0,1
Ni%	0,003	0,01
Zn%	< 0,001	0,001
Al%	< 0,0008	0,001
Cd%	< 0,0015	0,002
Au%	< 0,001	-
Pb%	Resto	Resto

### **FEATURES OF THE MAIN ALLOYS**

	<u><b>63/37</b></u>	<u><b>62/36/2 Ag</b></u>	<u><b>60/40</b></u>
Melting point	183°C	179°C	180-185 °C
Density	8,8 g. cm <sup>3</sup>	8,75 g. cm. <sup>3</sup>	8,75g. cm. <sup>3</sup>
Pasty range	eutectic	eutectic	eutectic
Elongation %	25/30%	25/30%	25/30%
Tensile strenght	4,5 Kg.mm <sup>2</sup>	4,5 Kg.mm <sup>2</sup>	4,7 Kg.mm. <sup>2</sup>
Appearance	brillante	brillante	leggera opacità
Wetting on copper	eccellent	excellent	excellent
Pot working temperature	235-255°C	230-250 °C	235-255 °C

### **SAFETY**

Use with adequate ventilation and proper personal protective equipment. Refer to the accompanying Safety Data Sheet for any specific emergency information. Do not dispose of any hazardous materials in non-approved containers .