Technical Datasheet

Tradename	VD90.5001 / VD90.5004 / VD90.5005 / VD90.5006/ VD90.5008 VD90.5009 / VD90.5010 / MARTIN Solder Balls
Issue:	October 2020
Reference:	TDS solder balls Sn63Pb37_e.doc

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1. . Identification

Material: Sn63Pb37

Form and Dimension: Spheres Ø 0,2 – 1,0 mm ±0,01mm

2. Composition

Element	Control Limit
Sn	62,5 – 63,5 %
Pb	36,5 – 37,5 %

Deoxidazing Melting Process, Purity of the components minimum 99,99%

3. . Impurities (DIN EN 29453:1993)

Element	Control Limit (%)
Sb	< 0,05
Cd	< 0,005
Zn	< 0,001
Al	< 0,001
Bi	< 0,25
As	< 0,03
Fe	< 0,02
Cu	< 0,08

Method of analysis: RFA

4. Physical properties

Melting point-/Range:	183°C
Working Temperature:	220°C
Specific Gravitiy:	8,783 g/cm³
Thermal conductivity:	70 W/(m*K)

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