

Technical Bu eti

Transation of the Serman issue (F.b) ary 2017)

Replaces sue August 1996

Technical Bulletin DVS 2811

Test Procedures for Wire Bonded Joints

DVS, Technical Comittee, Working Cup Joining in electronics and precision engineering"

This Labi ation has been drawn up by a group of experienced specialists working in an honorary capacity and its considetion as an important source of information is recommended. The user should always check to what extent the contents are apply able to his particular case and whether the version on hand is still valid. No liability can be accepted by the Deutscher probable für Schweißen und verwandte Verfahren e.V., and those participating in the drawing up of the document.

May 2017 DVS 2811

content:

4	_			
1	Scone	preliminary	romarke	Iavout
1.	ocobe.	Di Cilililiai v	i ciliai no.	iavoui

- 2. Definition of terms, abbreviations, diagrams
- 3. Equipment, tools, test conditions
- 4. Optical inspection
- 4.1. Visual inspection
- 4.2. Automated optical inspection (AOI)
- 5. Mechanical test Pull test
- 5.1. Non-destructive pull test
- 5.2. Destructive pull test
- 6. Mechanical test Shear test
- 6.1. Non-destructive shear test
- 6.2. Destructive shear test
- 7. Process-integrated monitoring
- 7.1. Inline pull test
- 7.2. Sensor-aided monitoring of the welding process
- 8. Other test and analysis methods
- 8.1. Tweezer/peel test
- 8.2. Etching method
- 8.3. Analyses using cross-sections, SEM and FIR
- 8.4. Removal of encapsulation
- 8.5. Cratering test
- 8.6. X-ray CT (computer tomography)
- 9. Reference values for test results
- 9.1. Optical inspection
- 9.2. Pull test
- 9.3. Shear test
- 9.4. Phase configuration for etching test
- 10. Bibliography
- 11. Appendix