

Material Declaration Form

Page 1

ams AG
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A-8141 Premstaetten, Austria
Tel +43 (0) 3136 500-0



| Ordering Code | Package Family | Assembly Material Number | Lead Count | Weight (mg) | Manufacturing Country | Halogen Free | EU RoHS | China RoHS | Release Status | Version |
|---------------|----------------|--------------------------|------------|-------------|-----------------------|--------------|---------|------------|----------------|---------|
| AS5262-HMFM | punched MLF | 186210100 | 16 | 114.59 | Philippines | YES | YES | YES | FULL | 1 |

| Homogenous Material | Weight (mg) | Symbol | Chemical Substance | Input Ratio (%) | CAS Number | Unit Weight (mg) | Unit Weight (%) | Amount (ppm) |
|---------------------|-------------|--------|--------------------|-----------------|------------|------------------|-----------------|---------------|
| Leadframe | 75 | Ag | Silver | 0.30 | 7440-22-4 | 0.22500 | 0.19635 | 1963 |
| | | Cu | Copper | 95.90 | 7440-50-8 | 71.92500 | 62.76616 | 627662 |
| | | Mg | Magnesium | 0.15 | 7439-95-4 | 0.11250 | 0.09817 | 982 |
| | | Ni | Nickel | 3.00 | 7440-02-0 | 2.25000 | 1.96349 | 19635 |
| | | Si | Silicon | 0.65 | 7440-21-3 | 0.48750 | 0.42542 | 4254 |
| Subtotal: | | | | 100.00 | | 75.00000 | 65.44960 | 654496 |
| Adhesive Bottom IC | 0.7 | Ag | Silver | 84.00 | 7440-22-4 | 0.59136 | 0.51606 | 5161 |
| | | | Epoxy Resin | 16.00 | 25928-94-3 | 0.11264 | 0.09830 | 983 |
| Subtotal: | | | | 100.00 | | 0.70400 | 0.61435 | 6144 |
| IC Bottom | 2.65 | Si | Silicon | 95.00 | 7440-21-3 | 2.51370 | 2.19361 | 21936 |
| | | | Polyimide | 5.00 | 58698-66-1 | 0.13230 | 0.11545 | 1155 |
| Subtotal: | | | | 100.00 | | 2.64600 | 2.30906 | 23091 |
| Adhesive Spacer | 0.2 | SiO2 | Silica Fused | 34.00 | 60676-86-0 | 0.06902 | 0.06023 | 602 |
| | | | Epoxy Resin | 66.00 | 25928-94-3 | 0.13398 | 0.11692 | 1169 |
| Subtotal: | | | | 100.00 | | 0.20300 | 0.17715 | 1772 |
| Spacer | 1.22 | Si | Silicon | 100.00 | 7440-21-3 | 1.22000 | 1.06465 | 10646 |
| Subtotal: | | | | 100.00 | | 1.22000 | 1.06465 | 10646 |
| Adhesive Top IC | 0.2 | SiO2 | Silica Fused | 34.00 | 60676-86-0 | 0.06902 | 0.06023 | 602 |
| | | | Epoxy Resin | 66.00 | 25928-94-3 | 0.13398 | 0.11692 | 1169 |
| Subtotal: | | | | 100.00 | | 0.20300 | 0.17715 | 1772 |

The information provided in this statement represents ams AG knowledge and belief as of the date that it is provided. ams AG bases its knowledge and belief on information provided by third parties, and makes no representation or warranty as to the accuracy and shall have no liability for the consequences of use of such information. ams AG has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. ams AG and its suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.

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Page 2

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| Homogenous Material | Weight (mg) | Symbol | Chemical Substance | Input Ratio (%) | CAS Number | Unit Weight (mg) | Unit Weight (%) | Amount (ppm) |
|---------------------|---------------|--------|--------------------|-----------------|------------|------------------|------------------|----------------|
| IC Top | 2.65 | Si | Silicon | 95.00 | 7440-21-3 | 2.51370 | 2.19361 | 21936 |
| | | | Polyimide | 5.00 | 58698-66-1 | 0.13230 | 0.11545 | 1155 |
| Subtotal: | | | | 100.00 | | 2.64600 | 2.30906 | 23091 |
| Wire | 0.23 | Au | Gold | 99.00 | 7440-57-5 | 0.22770 | 0.19870 | 1987 |
| | | | Pd | 1.00 | 7440-05-3 | 0.00230 | 0.00201 | 20 |
| Subtotal: | | | | 100.00 | | 0.23000 | 0.20071 | 2007 |
| Moldcompound | 28.5 | SiO2 | Silica Fused | 85.00 | 60676-86-0 | 24.22500 | 21.14022 | 211402 |
| | | | Carbon Black | 0.30 | 1333-86-4 | 0.08550 | 0.07461 | 746 |
| | | | Epoxy Resin | 9.00 | 25928-94-3 | 2.56500 | 2.23838 | 22384 |
| | | | Phenol Resin | 5.70 | 28064-14-4 | 1.62450 | 1.41764 | 14176 |
| Subtotal: | | | | 100.00 | | 28.50000 | 24.87085 | 248708 |
| Plating | 3.24 | Sn | Tin | 100.00 | 7440-31-5 | 3.24000 | 2.82742 | 28274 |
| Subtotal: | | | | 100.00 | | 3.24000 | 2.82742 | 28274 |
| Total: | 114.59 | | | | | 114.59 | 100.00000 | 1000000 |

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