



Apex Microtechnology

Materials Substance Report

Model: PA78DK

Print Time: 5/30/2014 10:22:17 AM

RoHS Compliant: Yes

Lead Free: Yes

Die Substances	Total Weight (g)
Bisphenol F epoxy resin	1.005E-04
Amine	2.010E-05
Mixed aryl allyl glycidyl compounds	2.010E-05
Silver	7.536E-04
Epoxy resin	2.010E-05
γ -Butyrolactone	7.034E-05
1,3-Di-2-propenyl-2-(2-propenyloxy) benzene,epoxidized	2.010E-05
Lead Frame Substances	Total Weight (g)
Copper	1.826E+00
Gold	2.105E-05
Iron	2.749E-03
Nickel	1.131E-03
Palladium	1.519E-04
Zinc	1.382E-04
Phosphorus	1.071E-04
Mold Substances	Total Weight (g)
Epoxy Resin A	2.117E-02
Epoxy Resin B	7.056E-03
Brominated Epoxy Resin	1.764E-03
Phenol Resin	1.058E-02
Silica (Amorphous) A	2.893E-01
Silica (Amorphous) B	1.058E-02
Antimony Oxide	1.058E-02
Carbon Black	1.764E-03



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Materials Substance Report

Model: PA78DK

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RoHS Compliant: Yes

Lead Free: Yes

Wire Substances

Total Weight (g)

Au

1.24E-3

Substances Present in This Model

Substance

Total Weight (g)

Silicon

1.097E-02

Au

1.236E-03

Epoxy Resin A

2.117E-02

Epoxy Resin B

7.056E-03

Brominated Epoxy Resin

1.764E-03

Phenol Resin

1.058E-02

Silica(Amorphous) A

2.893E-01

Silica(Amorphous) B

1.058E-02

Antimony Oxide

1.058E-02

Carbon Black

1.764E-03

Copper

1.826E+00

Gold

2.105E-05

Iron

2.749E-03

Nickel

1.131E-03

Palladium

1.519E-04

Zinc

1.382E-04

Phosphorus

1.071E-04

Bisphenol F epoxy resin

1.005E-04

Amine

2.010E-05

Mixed aryl allyl glycidyl compounds

2.010E-05

Silver

7.536E-04

Epoxy resin

2.010E-05

γ-Butyrolactone

7.034E-05

1,3-Di-2-propenyl-2-(2-propenyloxy) benzene,epoxidized

2.010E-05

Sum of all Substances (g)

2.196E+00