



Apex Microtechnology Materials Substance Report

Model: PA95

Print Time: 9/19/2013 9:31:26 AM

RoHS Compliant: Yes

Lead Free: No

Bonding Island Substances

Total Weight (g)

NONE

N/A

Capacitor Substances

Total Weight (g)

Barium Titanate

8.09E-2

Bismuth Titanate

4.76E-3

Calcium Zirconate

4.76E-3

Manganese Oxide

4.76E-3

Nickel

9.52E-4

Palladium

8.93E-4

Silica

4.76E-3

Silver

1.70E-2

Tin

2.38E-4

Die Substances

Total Weight (g)

Aluminum

3.77E-5

Epoxy

3.18E-5

Gold

2.15E-5

Nickel

2.03E-5

Silicon

8.78E-3

Silver

6.97E-4

Tin

5.91E-3

Titanium

8.27E-7

Encapsulant Substances

Total Weight (g)

NONE

N/A

Frame Substances

Total Weight (g)

Epoxy

3.20E-2

Glass

9.20E-2

Polymeric Resin

2.16E-1



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Header Substances

	Total Weight (g)
Carbon	6.62E-3
Iron	6.58E+0
Manganese	2.72E-2
Nickel	5.78E-2
Phosphorous	2.65E-3
Sulfur	3.31E-3

Lead Frame Substances

	Total Weight (g)
NONE	N/A

Lid Substances

	Total Weight (g)
Glass	1.54E-1
Polymeric Resin	3.60E-1

Pin Substances

	Total Weight (g)
Copper	6.02E-1
Nickel	5.76E-3
Phosphorous	1.27E-3
Silver	3.49E-3
Tin	1.45E-1

Silicone Substances

	Total Weight (g)
Silicone	4.00E-1

Solder Substances

	Total Weight (g)
Silver	6.83E-3
Tin	1.88E-1

Substrate Substances

	Total Weight (g)
Beryllium Oxide	1.33E+0



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Thickfilm Substances

Cadmium Oxide
Glass
Gold
Lead Oxide
Silver

Total Weight (g)

1.78E-4
2.66E-2
5.57E-3
5.59E-4
4.69E-2

Wire Substances

Aluminum

Total Weight (g)

1.55E-4



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Substances Present in This Model

Substance	Total Weight (g)
Aluminum	1.92E-4
Barium Titanate	8.09E-2
Beryllium Oxide	1.33E+0
Bismuth Titanate	4.76E-3
Cadmium Oxide	1.78E-4
Calcium Zirconate	4.76E-3
Carbon	6.62E-3
Copper	6.02E-1
Epoxy	3.20E-2
Glass	2.73E-1
Gold	5.59E-3
Iron	6.58E+0
Lead Oxide	5.59E-4
Manganese	2.72E-2
Manganese Oxide	4.76E-3
Nickel	6.45E-2
Palladium	8.93E-4
Phosphorous	3.92E-3
Polymeric Resin	5.76E-1
Silica	4.76E-3
Silicon	8.78E-3
Silicone	4.00E-1
Silver	7.49E-2
Sulfur	3.31E-3
Tin	3.39E-1
Titanium	8.27E-7

Sum of All Substances Present in This Model (g) 1.04E+1