



Apex Microtechnology Materials Substance Report

Model: PA09

Print Time: 9/19/2013 9:10:29 AM

RoHS Compliant: Yes

Lead Free: No

Bonding Island Substances

Total Weight (g)

NONE

N/A

Capacitor Substances

Total Weight (g)

Barium Titanate

7.48E-3

Bismuth Titanate

4.40E-4

Calcium Zirconate

4.40E-4

Manganese Oxide

4.40E-4

Nickel

8.80E-5

Palladium

8.25E-5

Silica

4.40E-4

Silver

1.57E-3

Tin

2.20E-5

Die Substances

Total Weight (g)

Aluminum

7.30E-5

Epoxy

3.52E-4

Gold

6.78E-5

Nickel

3.96E-5

Silicon

1.46E-2

Silicon Nitride

4.44E-9

Silver

5.26E-3

Titanium

1.01E-5

Encapsulant Substances

Total Weight (g)

NONE

N/A

Frame Substances

Total Weight (g)

NONE

N/A



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Header Substances

	Total Weight (g)
Aluminum	8.65E-4
Barium Oxide	1.26E-1
Carbon	1.10E-2
Chromium	8.65E-4
Cobalt	8.65E-4
Iron	1.09E+1
Manganese	4.85E-2
Nickel	4.38E-1
Phosphorous	4.46E-3
Silica	1.34E-1
Silicon	2.60E-3
Sulfur	5.28E-3

Lead Frame Substances

	Total Weight (g)
NONE	N/A

Lid Substances

	Total Weight (g)
Nickel	1.86E+0

Pin Substances

	Total Weight (g)
NONE	N/A

Silicone Substances

	Total Weight (g)
NONE	N/A

Solder Substances

	Total Weight (g)
Silver	3.57E-3
Tin	9.84E-2

Substrate Substances

	Total Weight (g)
Beryllium Oxide	8.00E-1



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Thickfilm Substances

Cadmium Oxide
Glass
Gold
Lead Oxide
Silver

Total Weight (g)

1.29E-4
1.58E-2
3.35E-3
2.33E-4
2.82E-2

Wire Substances

Aluminum

Total Weight (g)

3.55E-4



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Substances Present in This Model

Substance	Total Weight (g)
Aluminum	1.29E-3
Barium Oxide	1.26E-1
Barium Titanate	7.48E-3
Beryllium Oxide	8.00E-1
Bismuth Titanate	4.40E-4
Cadmium Oxide	1.29E-4
Calcium Zirconate	4.40E-4
Carbon	1.10E-2
Chromium	8.65E-4
Cobalt	8.65E-4
Epoxy	3.52E-4
Glass	1.58E-2
Gold	3.42E-3
Iron	1.09E+1
Lead Oxide	2.33E-4
Manganese	4.85E-2
Manganese Oxide	4.40E-4
Nickel	2.30E+0
Palladium	8.25E-5
Phosphorous	4.46E-3
Silica	1.34E-1
Silicon	1.72E-2
Silicon Nitride	4.44E-9
Silver	3.86E-2
Sulfur	5.28E-3
Tin	9.85E-2
Titanium	1.01E-5
Sum of All Substances Present in This Model (g)	1.45E+1