



Apex Microtechnology Materials Substance Report

Model: PB50

Print Time: 9/19/2013 9:33:17 AM

RoHS Compliant: Yes

Lead Free: No

Bonding Island Substances

Total Weight (g)

NONE

N/A

Capacitor Substances

Total Weight (g)

Barium Titanate

1.50E-2

Bismuth Titanate

8.80E-4

Calcium Zirconate

8.80E-4

Manganese Oxide

8.80E-4

Nickel

1.76E-4

Palladium

1.65E-4

Silica

8.80E-4

Silver

3.13E-3

Tin

4.40E-5

Die Substances

Total Weight (g)

Aluminum

5.34E-5

Chromium

9.97E-6

Epoxy

2.08E-5

Gold

9.23E-6

Nickel

3.67E-5

Silicon

1.58E-2

Silver

6.63E-4

Tin

7.07E-3

Titanium

2.07E-7

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)

1.07E-4
1.49E-2
3.35E-3
1.64E-4
5.64E-2

Wire Substances

Aluminum

Total Weight (g)

3.66E-4



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Substances Present in This Model

Substance	Total Weight (g)
Aluminum	1.28E-3
Barium Oxide	1.26E-1
Barium Titanate	1.50E-2
Beryllium Oxide	8.00E-1
Bismuth Titanate	8.80E-4
Cadmium Oxide	1.07E-4
Calcium Zirconate	8.80E-4
Carbon	1.10E-2
Chromium	8.75E-4
Cobalt	8.65E-4
Epoxy	2.08E-5
Glass	1.49E-2
Gold	3.36E-3
Iron	1.09E+1
Lead Oxide	1.64E-4
Manganese	4.85E-2
Manganese Oxide	8.80E-4
Nickel	2.30E+0
Palladium	1.65E-4
Phosphorous	4.46E-3
Silica	1.35E-1
Silicon	1.84E-2
Silver	6.38E-2
Sulfur	5.28E-3
Tin	1.06E-1
Titanium	2.07E-7

Sum of All Substances Present in This Model (g) 1.46E+1