



Apex Microtechnology Materials Substance Report

Model: PA07M

Print Time: 9/19/2013 9:08:58 AM

RoHS Compliant: No

Lead Free: No

Bonding Island Substances

NONE

Total Weight (g)

N/A

Capacitor Substances

Barium Titanate

2.99E-2

Bismuth Titanate

1.76E-3

Calcium Zirconate

1.76E-3

Gold

8.80E-5

Manganese Oxide

1.76E-3

Nickel

3.52E-4

Palladium

1.65E-4

Platinum

1.65E-4

Silica

1.76E-3

Silver

6.27E-3

Die Substances

Aluminum

5.38E-5

Chromium

1.72E-5

Epoxy

2.55E-4

Gold

1.25E-4

Nickel

2.13E-5

Silicon

1.15E-2

Silver

3.82E-3

Tin

1.30E-4

Encapsulant Substances

NONE

Total Weight (g)

N/A

Frame Substances

NONE

Total Weight (g)

N/A



Apex Microtechnology Materials Substance Report

Model: PA07M

Print Time: 9/19/2013 9:08:58 AM

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)
Lead	2.30E-2
Silver	3.57E-3
Tin	1.38E-1

Substrate Substances

	Total Weight (g)
Beryllium Oxide	8.00E-1



Apex Microtechnology Materials Substance Report

Model: PA07M

Print Time: 9/19/2013 9:08:58 AM

Thickfilm Substances

Cadmium Oxide
Glass
Gold
Lead Oxide
Silver

Total Weight (g)

1.29E-4
1.57E-2
3.35E-3
1.91E-4
2.82E-2

Wire Substances

Aluminum

Total Weight (g)

3.77E-4



Apex Microtechnology Materials Substance Report

Model: PA07M

Print Time: 9/19/2013 9:08:58 AM

Substances Present in This Model

Substance	Total Weight (g)
Aluminum	1.30E-3
Barium Oxide	1.26E-1
Barium Titanate	2.99E-2
Beryllium Oxide	8.00E-1
Bismuth Titanate	1.76E-3
Cadmium Oxide	1.29E-4
Calcium Zirconate	1.76E-3
Carbon	1.10E-2
Chromium	8.82E-4
Cobalt	8.65E-4
Epoxy	2.55E-4
Glass	1.57E-2
Gold	3.56E-3
Iron	1.09E+1
Lead	2.30E-2
Lead Oxide	1.91E-4
Manganese	4.85E-2
Manganese Oxide	1.76E-3
Nickel	2.30E+0
Palladium	1.65E-4
Phosphorous	4.46E-3
Platinum	1.65E-4
Silica	1.36E-1
Silicon	1.41E-2
Silver	4.19E-2
Sulfur	5.28E-3
Tin	1.38E-1
Sum of All Substances Present in This Model (g)	1.46E+1