



Apex Microtechnology

Materials Substance Report

Model: PA02

Print Time: 9/19/2013 9:06:25 AM

RoHS Compliant: Yes

Lead Free: No

Bonding Island Substances	Total Weight (g)
NONE	N/A
Capacitor Substances	Total Weight (g)
NONE	N/A
Die Substances	Total Weight (g)
Aluminum	4.61E-5
Epoxy	1.50E-5
Gold	8.19E-6
Nickel	5.38E-5
Silicon	1.18E-2
Silicon Nitride	4.44E-9
Silver	5.30E-4
Tin	5.81E-3
Titanium	2.74E-5
Encapsulant Substances	Total Weight (g)
NONE	N/A
Frame Substances	Total Weight (g)
NONE	N/A
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



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Lead Frame Substances

NONE

Total Weight (g)

N/A

Lid Substances

Nickel

Total Weight (g)

1.86E+0

Pin Substances

NONE

Total Weight (g)

N/A

Silicone Substances

NONE

Total Weight (g)

N/A

Solder Substances

Silver

Tin

Total Weight (g)

3.57E-3

9.84E-2

Substrate Substances

Beryllium Oxide

Total Weight (g)

8.00E-1

Thickfilm Substances

Cadmium Oxide

Glass

Gold

Lead Oxide

Silver

Total Weight (g)

1.29E-4

7.85E-3

3.35E-3

1.45E-4

2.82E-2

Wire Substances

Aluminum

Total Weight (g)

4.12E-4



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Substances Present in This Model

Substance	Total Weight (g)
Aluminum	1.32E-3
Barium Oxide	1.26E-1
Beryllium Oxide	8.00E-1
Cadmium Oxide	1.29E-4
Carbon	1.10E-2
Chromium	8.65E-4
Cobalt	8.65E-4
Epoxy	1.50E-5
Glass	7.85E-3
Gold	3.36E-3
Iron	1.09E+1
Lead Oxide	1.45E-4
Manganese	4.85E-2
Nickel	2.30E+0
Phosphorous	4.46E-3
Silica	1.34E-1
Silicon	1.44E-2
Silicon Nitride	4.44E-9
Silver	3.23E-2
Sulfur	5.28E-3
Tin	1.04E-1
Titanium	2.74E-5

Sum of All Substances Present in This Model (g) 1.45E+1