



# Apex Microtechnology

## Materials Substance Report

**Model:** PA02

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

**RoHS Compliant:** Yes

**Lead Free:** No

<b>Bonding Island Substances</b>	<b>Total Weight (g)</b>
NONE	N/A
<b>Capacitor Substances</b>	<b>Total Weight (g)</b>
NONE	N/A
<b>Die Substances</b>	<b>Total Weight (g)</b>
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
<b>Encapsulant Substances</b>	<b>Total Weight (g)</b>
NONE	N/A
<b>Frame Substances</b>	<b>Total Weight (g)</b>
NONE	N/A
<b>Header Substances</b>	<b>Total Weight (g)</b>
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



# Apex Microtechnology

## Materials Substance Report

**Model:** PA02

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

**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



# Apex Microtechnology Materials Substance Report

Model: PA02

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

## 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