



Apex Microtechnology Materials Substance Report

Model: VRE210M

Print Time: 9/19/2013 10:01:14 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	3.66E-6
Epoxy	2.70E-5
Gold	2.93E-6
Silica	2.85E-5
Silicon	8.70E-4
Silver	9.85E-5
Encapsulant Substances	Total Weight (g)
NONE	N/A
Frame Substances	Total Weight (g)
NONE	N/A
Header Substances	Total Weight (g)
Alumina	4.40E-1
Aluminum	8.24E-7
Calcium Oxide	5.50E-6
Carbon	2.80E-8
Chromium	1.37E-6
Cobalt	2.91E-2
Gold	1.04E-3
Iron	9.20E-2
Manganese	5.20E-4
Nickel	5.10E-2
Phosphorous	1.40E-7
Silica	3.54E-5
Sulfur	1.37E-7
Lead Frame Substances	Total Weight (g)



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NONE

N/A

Lid Substances

Total Weight (g)

Cobalt

3.00E-2

Gold

2.80E-3

Iron

9.40E-2

Manganese

5.30E-4

Nickel

5.30E-2

Silicon

3.50E-4

Pin Substances

Total Weight (g)

NONE

N/A

Silicone Substances

Total Weight (g)

Alumina

6.20E-3

Thermoplastic Resin

2.50E-3

Solder Substances

Total Weight (g)

NONE

N/A

Substrate Substances

Total Weight (g)

Alumina

7.60E-2

Calcium Oxide

1.58E-4

Iron Oxide

7.90E-5

Manganese Oxide

6.30E-4

Silica

2.20E-3

Thickfilm Substances

Total Weight (g)

Cadmium Oxide

1.34E-6

Glass

4.36E-4

Gold

2.18E-4

Lead Oxide

1.13E-5

Wire Substances

Total Weight (g)

Aluminum

5.43E-5



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Substances Present in This Model

Substance	Total Weight (g)
Alumina	5.22E-1
Aluminum	5.88E-5
Cadmium Oxide	1.34E-6
Calcium Oxide	1.63E-4
Carbon	2.80E-8
Chromium	1.37E-6
Cobalt	5.91E-2
Epoxy	2.70E-5
Glass	4.36E-4
Gold	4.06E-3
Iron	1.86E-1
Iron Oxide	7.90E-5
Lead Oxide	1.13E-5
Manganese	1.05E-3
Manganese Oxide	6.30E-4
Nickel	1.04E-1
Phosphorous	1.40E-7
Silica	2.26E-3
Silicon	1.22E-3
Silver	9.85E-5
Sulfur	1.37E-7
Thermoplastic Resin	2.50E-3

Sum of All Substances Present in This Model (g) 8.84E-1