



Apex Microtechnology Materials Substance Report

Model: MSA260KC

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RoHS Compliant: Yes

Lead Free: No

Bonding Island Substances

Total Weight (g)

NONE

N/A

Capacitor Substances

Total Weight (g)

Barium Titanate

7.22E-1

Bismuth Titanate

4.25E-2

Calcium Zirconate

4.25E-2

Magnesium Oxide

4.25E-2

Nickel

8.50E-3

Palladium

7.98E-3

Silica

4.25E-2

Silver

1.51E-1

Tin

2.12E-3



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Die Substances	Total Weight (g)
Acrylic Resin	7.89E-5
Alumina	2.80E-1
Aluminum	2.64E-2
Antimony Trioxide	1.64E-3
Barium Oxide	2.95E-5
Barium Titanate	2.50E-5
Bismuth Trioxide	5.45E-5
Boron Oxide	5.45E-5
Bromine Resin	8.19E-4
Carbon Black	1.21E-3
Catalyst	2.19E-2
Chromium	5.14E-5
Cobalt	1.22E-5
Copper	4.82E+0
Doped Silicon	9.23E-2
Epoxy	5.16E-3
Epoxy Resins	3.52E-1
Gold	1.94E-3
Iron	7.68E-3
Lead	5.42E-2
Lead Oxide	6.52E-4
Manganese	1.47E-5
Metal Hydroxide	1.54E-2
Nickel	1.19E-2
Palladium	4.88E-4
Phosphorous	4.10E-5
Ruthenium Dioxide	8.15E-4
Silica	2.47E+0
Silver	1.18E-2
Tin	4.82E-2
Zinc	3.15E-1

Encapsulant Substances	Total Weight (g)
NONE	N/A

Frame Substances	Total Weight (g)
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NONE

N/A

Header Substances

Total Weight (g)

NONE

N/A

Lead Frame Substances

Total Weight (g)

NONE

N/A

Lid Substances

Total Weight (g)

NONE

N/A

Pin Substances

Total Weight (g)

Copper

2.08E+0

Liquid Crystal Polymer

1.15E+0

Nickel

1.75E-2

Phosphorous

4.39E-3

Tin

1.43E-1

Silicone Substances

Total Weight (g)

NONE

N/A

Solder Substances

Total Weight (g)

NONE

N/A

Substrate Substances

Total Weight (g)

Alumina

6.01E-1

Aluminum

2.76E+1

Copper

1.41E+0

Epoxy

5.13E-1

Polyimide

1.12E+0

Silica

3.72E-3

Silver

2.35E-2

Tin

5.65E-1

Thickfilm Substances

Total Weight (g)

NONE

N/A

Wire Substances

Total Weight (g)



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NONE

N/A



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Substances Present in This Model

Substance	Total Weight (g)
Acrylic Resin	7.89E-5
Alumina	8.82E-1
Aluminum	2.76E+1
Antimony Trioxide	1.64E-3
Barium Oxide	2.95E-5
Barium Titanate	7.22E-1
Bismuth Titanate	4.25E-2
Bismuth Trioxide	5.45E-5
Boron Oxide	5.45E-5
Bromine Resin	8.19E-4
Calcium Zirconate	4.25E-2
Carbon Black	1.21E-3
Catalyst	2.19E-2
Chromium	5.14E-5
Cobalt	1.22E-5
Copper	8.32E+0
Doped Silicon	9.23E-2
Epoxy	5.18E-1
Epoxy Resins	3.52E-1
Gold	1.94E-3
Iron	7.68E-3
Lead	5.42E-2
Lead Oxide	6.52E-4
Liquid Crystal Polymer	1.15E+0
Magnesium Oxide	4.25E-2
Manganese	1.47E-5
Metal Hydroxide	1.54E-2
Nickel	3.80E-2
Palladium	8.47E-3
Phosphorous	4.43E-3
Polyimide	1.12E+0
Ruthenium Dioxide	8.15E-4
Silica	2.52E+0
Silver	1.87E-1
Tin	7.58E-1



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Substances Present in This Model

Substance	Total Weight (g)
Zinc	3.15E-1
Sum of All Substances Present in This Model (g)	4.48E+1