



Apex Microtechnology Materials Substance Report

Model: PA107DP

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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	3.74E-2
Bismuth Titanate	2.20E-3
Calcium Zirconate	2.20E-3
Manganese Oxide	2.20E-3
Nickel	4.40E-4
Palladium	4.13E-4
Silica	2.20E-3
Silver	7.84E-3
Tin	1.10E-4
Die Substances	Total Weight (g)
Aluminum	8.54E-5
Epoxy	3.73E-4
Gold	9.20E-4
Nickel	2.54E-6
Silicon	2.00E-2
Silver	3.69E-3
Tin	1.01E-3
Titanium	1.03E-7
Encapsulant Substances	Total Weight (g)
NONE	N/A
Frame Substances	Total Weight (g)
Epoxy	3.20E-2
Glass	9.20E-2
Polymeric Resin	2.16E-1



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Header Substances

	Total Weight (g)
Carbon	6.62E-3
Iron	6.58E+0
Manganese	2.72E-2
Nickel	5.78E-2
Phosphorous	2.65E-3
Sulfur	3.31E-3

Lead Frame Substances

	Total Weight (g)
NONE	N/A

Lid Substances

	Total Weight (g)
Glass	2.15E-1
Polymeric Resin	5.03E-1

Pin Substances

	Total Weight (g)
Copper	5.02E-2
Nickel	4.80E-4
Phosphorous	1.06E-4
Silver	2.91E-4
Tin	1.21E-2

Silicone Substances

	Total Weight (g)
Silicone	4.00E-1

Solder Substances

	Total Weight (g)
Silver	6.83E-3
Tin	1.88E-1

Substrate Substances

	Total Weight (g)
Beryllium Oxide	1.33E+0



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Thickfilm Substances

Cadmium Oxide
Glass
Gold
Lead Oxide
Silver

Total Weight (g)

1.78E-4
2.63E-2
5.57E-3
4.20E-4
4.69E-2

Wire Substances

Aluminum

Total Weight (g)

2.66E-4



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Substances Present in This Model

Substance	Total Weight (g)
Aluminum	3.51E-4
Barium Titanate	3.74E-2
Beryllium Oxide	1.33E+0
Bismuth Titanate	2.20E-3
Cadmium Oxide	1.78E-4
Calcium Zirconate	2.20E-3
Carbon	6.62E-3
Copper	5.02E-2
Epoxy	3.24E-2
Glass	3.34E-1
Gold	6.49E-3
Iron	6.58E+0
Lead Oxide	4.20E-4
Manganese	2.72E-2
Manganese Oxide	2.20E-3
Nickel	5.87E-2
Palladium	4.13E-4
Phosphorous	2.76E-3
Polymeric Resin	7.19E-1
Silica	2.20E-3
Silicon	2.00E-2
Silicone	4.00E-1
Silver	6.55E-2
Sulfur	3.31E-3
Tin	2.01E-1
Titanium	1.03E-7

Sum of All Substances Present in This Model (g) 9.88E+0