



Apex Microtechnology

Materials Substance Report

Model: PA441DF

Print Time: 6/11/2014 9:26:17 AM

RoHS Compliant: Yes

Lead Free: No

Die Substances	Total Weight (g)
Silicon	0.007656
Lead Frame Substances	Total Weight (g)
Copper	0.250171
Iron	0.00603
Phosphorus	0.000077
Zinc	0.000308
Silver	0.002311
Mold Substances	Total Weight (g)
Multi-Aromatic Resin	0.026863
Silicon Dioxide Filler	0.205563
Carbon Black	0.001168
External Heat Sink Plating Substances	Total Weight (g)
Tin	0.00507
Lead	0.000895
External Plating Substances	Total Weight (g)
Tin	0.004511
Solder Substances	Total Weight (g)
Lead	0.005251
Tin	0.000284
Silver	0.000142
Wire Substances	Total Weight (g)
Au	0.000837



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Substances Present in This Model

Substance	Total Weight (g)
Carbon Black	0.001168
Copper	0.250171
Gold	0.000837
Iron	0.00603
Lead	0.006146
Multi-Aromatic Resin	0.026863
Phosphorus	0.000077
Silicon	0.007656
Silicon Dioxide Filler	0.205563
Silver	0.002453
Tin	0.009865
Zinc	0.000308
Sum of all Substances (g)	0.517137