Product Document

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ams OSRAM Group

Material Declaration Form

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Ordering Code	Package Family	Assembly Material Number	Lead Count	Weight (mg)	Manufacturing Country	Halogen Free	EU RoHS	China RoHS	Release Status	Version
AS1109-BQFT	MLPQ 4x4x0.75	176560037	16	41.93	Malaysia	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Leadframe	17	Cu	Copper	97.50	7440-50-8	16.57500	39.53017	395302
		Fe	Iron	2.40	7439-89-6	0.40800	0.97305	9731
		Zn	Zinc	0.10	7440-66-6	0.01700	0.04054	405
		Subtotal:		**100.00**		**17.00000**	**40.54376**	**405438**
Adhesive	0.11	Ag	Silver	80.00	7440-22-4	0.08800	0.20987	2099
			Carbocyclic Acrylates	15.00	3066-71-5	0.01650	0.03935	394
			Epoxy Resin	5.00	25928-94-3	0.00550	0.01312	131
		Subtotal:		**100.00**		**0.11000**	**0.26234**	**2623**
IC	0.42	Si	Silicon	100.00	7440-21-3	0.42000	1.00167	10017
		Subtotal:		**100.00**		**0.42000**	**1.00167**	**10017**
Wire	0.28	Au	Gold	100.00	7440-57-5	0.28000	0.66778	6678
		Subtotal:		**100.00**		**0.28000**	**0.66778**	**6678**
Moldcompound	23.9	SiO2	Silica Fused	88.00	60676-86-0	21.03200	50.15979	501598
			Carbon Black	0.30	1333-86-4	0.07170	0.17100	1710
			Epoxy Resin	8.00	25928-94-3	1.91200	4.55998	45600
			Phenol Resin	3.70	28064-14-4	0.88430	2.10899	21090
		Subtotal:		**100.00**		**23.90000**	**56.99976**	**569998**
Plating	0.22	Sn	Tin	100.00	7440-31-5	0.22000	0.52468	5247
		Subtotal:		**100.00**		**0.22000**	**0.52468**	**5247**
Total:	**41.93**					**41.93**	**100.00000**	**1000000**

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