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
AS1110-BSST	QSOP 150 MIL	176170030	24	166.82	Malaysia	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Adhesive	0.42	Ag	Silver	80.00	7440-22-4	0.33600	0.20141	2014
			Carbocyclic Acrylates	15.00	3066-71-5	0.06300	0.03777	378
			Epoxy Resin	5.00	25928-94-3	0.02100	0.01259	126
		Subtotal:		**100.00**		**0.42000**	**0.25177**	**2518**
Wire	0.37	Au	Gold	100.00	7440-57-5	0.37000	0.22180	2218
		Subtotal:		**100.00**		**0.37000**	**0.22180**	**2218**
Leadframe	64.52	Cu	Copper	97.50	7440-50-8	62.90700	37.70951	377095
		Fe	Iron	2.40	7439-89-6	1.54848	0.92823	9282
		Zn	Zinc	0.10	7440-66-6	0.06452	0.03868	387
		Subtotal:		**100.00**		**64.52000**	**38.67642**	**386764**
Plating	3.56	Sn	Tin	100.00	7440-31-5	3.56000	2.13404	21340
		Subtotal:		**100.00**		**3.56000**	**2.13404**	**21340**
IC	2.34	Si	Silicon	95.00	7440-21-3	2.22300	1.33257	13326
			Polyimide	5.00	58698-66-1	0.11700	0.07014	701
		Subtotal:		**100.00**		**2.34000**	**1.40271**	**14027**
Moldcompound	95.61	SiO2	Silica	87.00	60676-86-0	83.18070	49.86255	498625
			Carbon Black	0.20	1333-86-4	0.19122	0.11463	1146
			Epoxy Resin	8.00	25928-94-3	7.64880	4.58506	45851
			Phenol Resin	4.80	28064-14-4	4.58928	2.75104	27510
		Subtotal:		**100.00**		**95.61000**	**57.31327**	**573133**
Total:	**166.82**					**166.82**	**100.00000**	**1000000**

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