

# Material Declaration Form

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ams AG  
Tobelbader Strasse 30  
A-8141 Premstaetten, Austria  
Tel +43 (0) 3136 500-0



Ordering Code	Package Family	Assembly Material Number	Lead Count	Weight (mg)	Manufacturing Country	Halogen Free	EU RoHS	China RoHS	Release Status	Version
AS1109-BSOT	SOIC 150 MIL	176560035	16	155.61		YES	YES	YES	FULL	

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Moldcompound	95.3	SiO2	Silica	87.00	60676-86-0	82.91100	53.28128	532813
			Carbon Black	0.20	1333-86-4	0.19060	0.12249	1225
			Epoxy Resin	8.00	25928-94-3	7.62400	4.89943	48994
			Phenol Resin	4.80	28064-14-4	4.57440	2.93966	29397
			<b>Subtotal:</b>	<b>100.00</b>		<b>95.30000</b>	<b>61.24285</b>	<b>612429</b>
Wire	0.51	Au	Gold	100.00	7440-57-5	0.51000	0.32774	3277
			<b>Subtotal:</b>	<b>100.00</b>		<b>0.51000</b>	<b>0.32774</b>	<b>3277</b>
IC	3.57	Si	Silicon	100.00	7440-21-3	3.57000	2.29420	22942
			<b>Subtotal:</b>	<b>100.00</b>		<b>3.57000</b>	<b>2.29420</b>	<b>22942</b>
Plating	2.73	Sn	Tin	100.00	7440-31-5	2.73000	1.75439	17544
			<b>Subtotal:</b>	<b>100.00</b>		<b>2.73000</b>	<b>1.75439</b>	<b>17544</b>
Leadframe	52.38	Cu	Copper	97.50	7440-50-8	51.07050	32.81955	328195
		Fe	Iron	2.40	7439-89-6	1.25712	0.80787	8079
		Zn	Zinc	0.10	7440-66-6	0.05238	0.03366	337
			<b>Subtotal:</b>	<b>100.00</b>		<b>52.38000</b>	<b>33.66108</b>	<b>336611</b>
Adhesive	1.12	Ag	Silver	80.00	7440-22-4	0.89600	0.57580	5758
			Carbocyclic Acrylates	15.00	3066-71-5	0.16800	0.10796	1080
			Epoxy Resin	5.00	25928-94-3	0.05600	0.03599	360
			<b>Subtotal:</b>	<b>100.00</b>		<b>1.12000</b>	<b>0.71975</b>	<b>7197</b>
<b>Total:</b>	<b>155.61</b>					<b>155.61</b>	<b>100.00000</b>	<b>1000000</b>

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