

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
AS5161A-ASOP	SOIC8, 3.81mm	186210101	8	71.23	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	24.26	Ag	Silver	1.00	7440-22-4	0.24260	0.34059	3406
		Cu	Copper	98.94	7440-50-8	24.00284	33.69766	336977
		Zr	Zirconium	0.06	7440-67-7	0.01456	0.02044	204
		Subtotal:			100.00		24.26000	34.05868
Adhesive	1.13	Ag	Silver	80.00	7440-22-4	0.90400	1.26913	12691
			Carbocyclic Acrylates	15.00	3066-71-5	0.16950	0.23796	2380
			Epoxy Resin	5.00	25928-94-3	0.05650	0.07932	793
		Subtotal:			100.00		1.13000	1.58641
Wire	0.3	Au	Gold	100.00	7440-57-5	0.30000	0.42117	4212
Subtotal:			100.00		0.30000	0.42117	4212	
Plating	1.37	Sn	Tin	100.00	7440-31-5	1.37000	1.92335	19233
Subtotal:			100.00		1.37000	1.92335	19233	
Moldcompound	41.54	SiO2	Silica	87.00	60676-86-0	36.13980	50.73677	507368
			Carbon Black	0.20	1333-86-4	0.08308	0.11664	1166
			Epoxy Resin	8.00	25928-94-3	3.32320	4.66545	46654
			Phenol Resin	4.80	28064-14-4	1.99392	2.79927	27993
		Subtotal:			100.00		41.54000	58.31812
IC	2.63	Si	Silicon	95.00	7440-21-3	2.49850	3.50765	35077
			Polyimide	5.00	58698-66-1	0.13150	0.18461	1846
		Subtotal:			100.00		2.63000	3.69226
Total:	71.23					71.23	100.00000	1000000

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