

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
AS5161-HSOP	SOIC 150 MIL	186210049	8	83.77	Philippines	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
IC	7.35	Si	Silicon	100.00	7440-21-3	7.35000	8.77402	87740
Subtotal:				100.00		7.35000	8.77402	87740
Moldcompound	38.1	SiO2	Silica Fused	86.00	60676-86-0	32.76600	39.11424	391142
			Carbon Black	0.50	1333-86-4	0.19050	0.22741	2274
			Epoxy Resin	7.50	25928-94-3	2.85750	3.41113	34111
			Phenol Resin	6.00	28064-14-4	2.28600	2.72890	27289
Subtotal:				100.00		38.10000	45.48168	454817
Wire	0.16	Au	Gold	99.00	7440-57-5	0.15840	0.18909	1891
		Pd	Palladium	1.00	7440-05-3	0.00160	0.00191	19
Subtotal:				100.00		0.16000	0.19100	1910
Plating	1.36	Sn	Tin	100.00	7440-31-5	1.36000	1.62349	16235
Subtotal:				100.00		1.36000	1.62349	16235
Adhesive	1.82	Ag	Silver	73.00	7440-22-4	1.32860	1.58601	15860
		BLO (1-10)	Gamma Butyrolactone	3.00	96-48-0	0.05460	0.06518	652
			Epoxy Resin	21.00	25928-94-3	0.38220	0.45625	4562
			Silver Oxide	3.00	1301-96-8	0.05460	0.06518	652
Subtotal:				100.00		1.82000	2.17262	21726

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Leadframe	34.98	Ag	Silver	0.30	7440-22-4	0.10494	0.12527	1253
		Cu	Copper	97.25	7440-50-8	34.01805	40.60887	406089
		Fe	Iron	2.30	7439-89-6	0.80454	0.96042	9604
		Zn	Zinc	0.15	7440-66-6	0.05247	0.06264	626
Subtotal:				100.00		34.98000	41.75719	417572
Total:	83.77					83.77	100.00000	1000000

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