

Product Document

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
AS5132-HSSM	SSOP	187760007	20	166.7	Philippines	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Leadframe	50.3	Ag	Silver	0.30	7440-22-4	0.15090	0.09052	905
		Cu	Copper	97.25	7440-50-8	48.91675	29.34418	293442
		Fe	Iron	2.30	7439-89-6	1.15690	0.69400	6940
		Zn	Zinc	0.15	7440-66-6	0.07545	0.04526	453
		Subtotal:			100.00		50.30000	30.17397
Adhesive	2.91	Ag	Silver	73.00	7440-22-4	2.12430	1.27433	12743
		BLO (1-10)	Gamma Butyrolactone	3.00	96-48-0	0.08730	0.05237	524
			Epoxy Resin	21.00	25928-94-3	0.61110	0.36659	3666
			Silver Oxide	3.00	1301-96-8	0.08730	0.05237	524
		Subtotal:			100.00		2.91000	1.74565
IC	12.54	Si	Silicon	100.00	7440-21-3	12.54000	7.52250	75225
		Subtotal:			100.00		12.54000	7.52250
Wire	0.25	Au	Gold	99.00	7440-57-5	0.24750	0.14847	1485
		Pd	Palladium	1.00	7440-05-3	0.00250	0.00150	15
		Subtotal:			100.00		0.25000	0.14997
Moldcompound	98.04	SiO2	Silica Fused	86.00	60676-86-0	84.31440	50.57852	505785
			Carbon Black	0.50	1333-86-4	0.49020	0.29406	2941
			Epoxy Resin	7.50	25928-94-3	7.35300	4.41092	44109
			Phenol Resin	6.00	28064-14-4	5.88240	3.52873	35287
		Subtotal:			100.00		98.04000	58.81224

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Plating	2.66	Sn	Tin	100.00	7440-31-5	2.66000	1.59568	15957
Subtotal:				100.00		2.66000	1.59568	15957
Total:	166.7					166.70	100.00000	1000000

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