

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	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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