

# 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
AS8525-AQFP	punched QFN 5x5x0.9mm	183250011	32	72.33	Korea	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Leadframe	31.17	Ag	Silver	0.30	7440-22-4	0.09352	0.12929	1293
		Cu	Copper	97.25	7440-50-8	30.31499	41.91066	419107
		Fe	Iron	2.30	7439-89-6	0.71696	0.99120	9912
		Zn	Zinc	0.15	7440-66-6	0.04676	0.06464	646
		Subtotal:		100.00		31.17223	43.09580	430958
Adhesive	0.81	Ag	Silver	77.00	7440-22-4	0.62047	0.85780	8578
		BLO (1-10)	Gamma Butyrolactone	1.00	96-48-0	0.00806	0.01114	111
			Epoxy Resin	22.00	25928-94-3	0.17728	0.24509	2451
		Subtotal:		100.00		0.80580	1.11402	11140
IC	5.61	Si	Silicon	95.00	7440-21-3	5.33232	7.37197	73720
			Polyimide	5.00	58698-66-1	0.28065	0.38800	3880
		Subtotal:		100.00		5.61297	7.75997	77600
Wire	0.21	Au	Gold	99.00	7440-57-5	0.21029	0.29072	2907
		Pd	Palladium	1.00	7440-05-3	0.00212	0.00294	29
		Subtotal:		100.00		0.21241	0.29366	2937
Moldcompound	33.24	SiO2	Silica Fused	85.00	60676-86-0	28.25757	39.06626	390663
			Carbon Black	0.30	1333-86-4	0.09973	0.13788	1379
			Epoxy Resin	9.00	25928-94-3	2.99198	4.13643	41364
			Phenol Resin	5.70	28064-14-4	1.89492	2.61974	26197
		Subtotal:		100.00		33.24420	45.96031	459603

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Plating	1.28	Sn	Tin	100.00	7440-31-5	1.28480	1.77624	17762
Subtotal:				100.00		1.28480	1.77624	17762
Total:	72.33					72.33	100.00000	1000000

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