

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
AS8510-ASSM	SSOP 5.3 MM	183200010	20	164.3	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	7.81	Si	Silicon	100.00	7440-21-3	7.81000	4.75350	47535
Subtotal:				100.00		7.81000	4.75350	47535
Moldcompound	102.34	SiO2	Silica Fused	86.00	60676-86-0	88.01240	53.56811	535681
			Carbon Black	0.50	1333-86-4	0.51170	0.31144	3114
			Epoxy Resin	7.50	25928-94-3	7.67550	4.67164	46716
			Phenol Resin	6.00	28064-14-4	6.14040	3.73731	37373
Subtotal:				100.00		102.34000	62.28850	622885
Leadframe	49.22	Ag	Silver	0.30	7440-22-4	0.14766	0.08987	899
		Cu	Copper	97.25	7440-50-8	47.86645	29.13357	291336
		Fe	Iron	2.30	7439-89-6	1.13206	0.68902	6890
		Zn	Zinc	0.15	7440-66-6	0.07383	0.04494	449
Subtotal:				100.00		49.22000	29.95740	299574
Adhesive	1.87	Ag	Silver	73.00	7440-22-4	1.36510	0.83086	8309
		BLO (1-10)	Gamma Butyrolactone	3.00	96-48-0	0.05610	0.03414	341
			Epoxy Resin	21.00	25928-94-3	0.39270	0.23901	2390
			Silver Oxide	3.00	1301-96-8	0.05610	0.03414	341
Subtotal:				100.00		1.87000	1.13816	11382
Wire	0.4	Au	Gold	99.00	7440-57-5	0.39600	0.24102	2410
		Pd	Palladium	1.00	7440-05-3	0.00400	0.00243	24
Subtotal:				100.00		0.40000	0.24346	2435

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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	1.61899	16190
Subtotal:				100.00		2.66000	1.61899	16190
Total:	164.3					164.30	100.00000	1000000

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