

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
AS5311-ATST	TSSOP 4.4MM	179910017	20	81.51	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	38.14	Ag	Silver	0.30	7440-22-4	0.11442	0.14038	1404
		Cu	Copper	95.90	7440-50-8	36.57626	44.87334	448733
		Mg	Magnesium	0.15	7439-95-4	0.05721	0.07019	702
		Ni	Nickel	3.00	7440-02-0	1.14420	1.40375	14038
		Si	Silicon	0.65	7440-21-3	0.24791	0.30415	3041
Subtotal:				100.00		38.14000	46.79180	467918
Adhesive	1.42	Ag	Silver	73.00	7440-22-4	1.03660	1.27175	12717
		BLO (1-10)	Gamma Butyrolactone	3.00	96-48-0	0.04260	0.05226	523
			Epoxy Resin	21.00	25928-94-3	0.29820	0.36584	3658
			Silver Oxide	3.00	1301-96-8	0.04260	0.05226	523
Subtotal:				100.00		1.42000	1.74212	17421
IC	6.65	Si	Silicon	100.00	7440-21-3	6.65000	8.15851	81585
Subtotal:				100.00		6.65000	8.15851	81585
Wire	0.42	Au	Gold	100.00	7440-57-5	0.42000	0.51527	5153
Subtotal:				100.00		0.42000	0.51527	5153
Moldcompound	32.93	SiO2	Silica Fused	85.00	60676-86-0	27.99050	34.33996	343400
			Carbon Black	0.30	1333-86-4	0.09879	0.12120	1212
			Epoxy Resin	9.00	25928-94-3	2.96370	3.63600	36360
			Phenol Resin	5.70	28064-14-4	1.87701	2.30280	23028
Subtotal:				100.00		32.93000	40.39995	404000

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Plating	1.95	Sn	Tin	100.00	7440-31-5	1.95000	2.39234	23923
		Subtotal:		100.00		1.95000	2.39234	23923
Total:	81.51					81.51	100.00000	1000000

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