

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
AS1115-BQFT	TQFN	180230006	24	31.52	Korea	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
IC	1	Si	Silicon	100.00	7440-21-3	1.00190	3.17814	31781
Subtotal:				100.00		1.00190	3.17814	31781
Wire	0.35	Au	Gold	100.00	7440-57-5	0.34758	1.10256	11026
Subtotal:				100.00		0.34758	1.10256	11026
Moldcompound	14.67	SiO2	Silica Fused	85.00	60676-86-0	12.46542	39.54171	395417
			Carbon Black	0.30	1333-86-4	0.04400	0.13956	1396
			Epoxy Resin	9.00	25928-94-3	1.31987	4.18677	41868
			Phenol Resin	5.70	28064-14-4	0.83592	2.65162	26516
Subtotal:				100.00		14.66520	46.51965	465197
Leadframe	14.49	Ag	Silver	0.30	7440-22-4	0.04347	0.13790	1379
		Cu	Copper	95.90	7440-50-8	13.89712	44.08321	440832
		Mg	Magnesium	0.15	7439-95-4	0.02174	0.06895	690
		Ni	Nickel	3.00	7440-02-0	0.43474	1.37904	13790
		Si	Silicon	0.65	7440-21-3	0.09419	0.29879	2988
Subtotal:				100.00		14.49126	45.96790	459679
Adhesive	0.14	Ag	Silver	77.00	7440-22-4	0.10996	0.34879	3488
		BLO (1-10)	Gamma Butyrolactone	1.00	96-48-0	0.00143	0.00453	45
			Epoxy Resin	22.00	25928-94-3	0.03142	0.09966	997
Subtotal:				100.00		0.14280	0.45298	4530
Plating	0.88	Sn	Tin	100.00	7440-31-5	0.87600	2.77877	27788
Subtotal:				100.00		0.87600	2.77877	27788

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Total:	31.52					31.52	100.00000	1000000

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