

Material Declaration Form

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ams AG
 Tobelbader Strasse 30
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 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
AS5013-IQFT	TQFN 4x4x0.55mm	185230003	16	30.36	Korea	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Adhesive	0.42	Ag	Silver	77.00	7440-22-4	0.32463	1.06938	10694
		BLO (1-10)	Gamma Butyrolactone	1.00	96-48-0	0.00422	0.01389	139
			Epoxy Resin	22.00	25928-94-3	0.09275	0.30554	3055
		Subtotal:		100.00		0.42160	1.38881	13888
Wire	0.1	Au	Gold	100.00	7440-57-5	0.09650	0.31788	3179
		Subtotal:		100.00		0.09650	0.31788	3179
Leadframe	13.15	Ag	Silver	0.30	7440-22-4	0.03945	0.12996	1300
		Cu	Copper	95.90	7440-50-8	12.61181	41.54498	415450
		Mg	Magnesium	0.15	7439-95-4	0.01973	0.06498	650
		Ni	Nickel	3.00	7440-02-0	0.39453	1.29963	12996
		Si	Silicon	0.65	7440-21-3	0.08548	0.28159	2816
		Subtotal:		100.00		13.15100	43.32115	433211
Plating	0.8	Sn	Tin	100.00	7440-31-5	0.79570	2.62114	26211
		Subtotal:		100.00		0.79570	2.62114	26211
IC	1.76	Si	Silicon	100.00	7440-21-3	1.75920	5.79504	57950
		Subtotal:		100.00		1.75920	5.79504	57950

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Moldcompound	14.13	SiO2	Silica Fused	85.00	60676-86-0	12.01305	39.57259	395726
			Carbon Black	0.30	1333-86-4	0.04240	0.13967	1397
			Epoxy Resin	9.00	25928-94-3	1.27197	4.19004	41900
			Phenol Resin	5.70	28064-14-4	0.80558	2.65369	26537
Subtotal:				100.00		14.13300	46.55598	465560
Total:	30.36					30.36	100.00000	1000000

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