

Product Document

Material Declaration Form

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ams AG
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Ordering Code	Package Family	Assembly Material Number	Lead Count	Weight (mg)	Manufacturing Country	Halogen Free	EU RoHS	China RoHS	Release Status	Version
AS5050A-BQFT	sawn QFN 4X4X0.9 MM	192660008	16	44.36	Korea	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Leadframe	17.63	Ag	Silver	0.30	7440-22-4	0.05289	0.11924	1192
		Cu	Copper	97.25	7440-50-8	17.14600	38.65452	386545
		Fe	Iron	2.30	7439-89-6	0.40551	0.91419	9142
		Zn	Zinc	0.15	7440-66-6	0.02645	0.05962	596
		Subtotal:		100.00		17.63085	39.74758	397476
Adhesive	0.4	Ag	Silver	77.00	7440-22-4	0.31154	0.70235	7024
		BLO (1-10)	Gamma Butyrolactone	1.00	96-48-0	0.00405	0.00912	91
			Epoxy Resin	22.00	25928-94-3	0.08901	0.20067	2007
		Subtotal:		100.00		0.40460	0.91214	9121
IC	2.82	Si	Silicon	100.00	7440-21-3	2.82163	6.36118	63612
		Subtotal:		100.00		2.82163	6.36118	63612
Wire	0.12	Au	Gold	100.00	7440-57-5	0.11586	0.26120	2612
		Subtotal:		100.00		0.11586	0.26120	2612
Moldcompound	22.65	SiO2	Silica Fused	85.00	60676-86-0	19.24978	43.39735	433974
			Carbon Black	0.30	1333-86-4	0.06794	0.15317	1532
			Epoxy Resin	9.00	25928-94-3	2.03821	4.59501	45950
			Phenol Resin	5.70	28064-14-4	1.29087	2.91018	29102
		Subtotal:		100.00		22.64680	51.05571	510557
Plating	0.74	Sn	Tin	100.00	7440-31-5	0.73730	1.66219	16622
		Subtotal:		100.00		0.73730	1.66219	16622

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Total:	44.36					44.36	100.00000	1000000

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