

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
CMV50000-1E3M1PA	PGA	302390003	141	19,550	Japan	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Ceramic Package	14,250	Ag	Silver	0.60	7440-22-4	85.50000	0.43734	4373
		Al2O3	Aluminum Oxide	78.50	1344-28-1	11186.25000	57.21867	572187
		Au	Gold	0.20	7440-57-5	28.50000	0.14578	1458
		Co	Cobalt	0.10	7440-48-4	14.25000	0.07289	729
		Cr2O3	Chromium Oxide	1.30	1308-38-9	185.25000	0.94757	9476
		Cu	Copper	0.10	7440-50-8	14.25000	0.07289	729
		Fe	Iron	3.90	7439-89-6	555.75000	2.84271	28427
		Mo	Molybdenum	0.30	7439-98-7	42.75000	0.21867	2187
		Ni	Nickel	3.10	7440-02-0	441.75000	2.25959	22596
		SiO2	Silicon Dioxide	6.60	7631-86-9	940.50000	4.81074	48107
		W	Tungsten	5.30	7440-33-7	755.25000	3.86317	38632
Subtotal:				100.00		14250.00000	72.89003	728900
Glass	2,950		Inorganic Glass	100.00	65997-17-3	2950.00000	15.08951	150895
		Subtotal:				100.00	2950.00000	15.08951
IC	2,270	Si	Silicon	100.00	7440-21-3	2270.00000	11.61125	116113
		Subtotal:				100.00	2270.00000	11.61125
Adhesive	50	SiO2	Silica	49.50	7631-86-9	24.75000	0.12660	1266
			Carbon Black	0.50	1333-86-4	0.25000	0.00128	13
			Epoxy Resin	50.00	25068-38-6	25.00000	0.12788	1279
		Subtotal:				100.00	50.00000	0.25575

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Adhesive (Glass)	21	SiO2	Silica	8.00	7631-86-9	1.68000	0.00859	86
			Bisphenol F Copolymer	92.00	9003-36-5	19.32000	0.09882	988
			Subtotal:	100.00		21.00000	0.10742	1074
Wire	9	Au	Gold	100.00	7440-57-5	9.00000	0.04604	460
			Subtotal:	100.00		9.00000	0.04604	460
Total:	19,550					19,550.00	100.00000	1000000

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