

# Chemical content BUK7606-75B



Type number	Package	Package description	Total product weight
BUK7606-75B	SOT404	D2PAK	1451.80570 mg

12NC	Version	Pb-free soldering			Pb soldering			Number of processing cycles	Assembly site	RHF-indicator	
		MSL	PPT	MPPT	MSL	PPT	MPPT				
934057112118	15	1	245	30 s	1	245	20 s	3	Manchester, United Kingdom; Cabuyao, Philippines	IMG	

Subpart	Material group	Substances	CAS number	Mass(mg)	Mass(%) of subpart	Mass(%) of total product
Die	Doped silicon	Silicon (Si)	7440-21-3	13.70000	100.00000	0.94365
		subTotal		13.70000	100.00000	0.94365
Lead Frame	Copper alloy	Copper (Cu)	7440-50-8	823.42416	99.08000	56.71724
		Iron (Fe)	7439-89-6	1.24660	0.15000	0.08587
		Nickel (Ni) - cas no. 7440-02-0	7440-02-0	6.06681	0.73000	0.41788
		Phosphorous (P)	7723-14-0	0.33243	0.04000	0.02290
		subTotal		831.07000	100.00000	57.24389
Mould Compound	Additive	Bromine atom (Br)	10097-32-2	5.70520	1.00000	0.39297
	Filler	Misc. Silica compounds (generic)	14808-60-7	439.30040	77.00000	30.25890
	Flame retardant	Antimony Trioxide (Sb2O3) - cas no. 1309-64-4	1309-64-4	11.41040	2.00000	0.78595
	Polymer	Epoxy resin system	Proprietary	114.10400	20.00000	7.85945
		subTotal		570.52000	100.00000	39.29727
Post-Plating	Pure metal	Tin (Sn)	7440-31-5	19.79000	100.00000	1.36313
		subTotal		19.79000	100.00000	1.36313
Solder Wire	Lead alloy	Lead (Pb)	7439-92-1	11.65945	93.50000	0.80310
		Silver (Ag)	7440-22-4	0.18705	1.50000	0.01288
		Tin (Sn)	7440-31-5	0.62350	5.00000	0.04295
		subTotal		12.47000	100.00000	0.85893
Wire	Impurity	Non hazardous	Proprietary	0.00040	0.01000	0.00003
	Pure metal	Aluminium (Al)	7429-90-5	4.00007	99.99000	0.27552
		subTotal		4.00047	100.00000	0.27555
Wire	Impurity	Non hazardous	Proprietary	0.00003	0.01000	0.00000
	Pure metal	Aluminium (Al)	7429-90-5	0.25511	99.99000	0.01757
		subTotal		0.25513	100.00000	0.01757

#### Note(s):

1) This is a generic description of the substance used as the actual composition of the substances are either considered proprietary or no official CAS number is available. If a CAS number is given, it is the closest match available.

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