

MQ1 / UM1 - Material Declaration

Total Weight: 341 mg



RoHS compliant



Pb free



REACH compliant



Part name	Mass / mg	ZSB-component	Material	Mass / mg	Percentage / %
Crystal blank	3.9	Synt. Quartz crystal	SiO ₂	3.86	1.13
Base	114.3	Steel alloyed	Iron	113.85	33.39
			Carbon	0.07	0.02
			Molybdenum	0.05	0.01
		Nickel plating	Nickel	0.35	0.10
		Gold plating	Gold	0.01	0.00
Holder Terminal	6.3	Nickel Silver	Nickel	1.12	0.33
			Copper	3.47	1.02
			Zinc	1.72	0.50
Glass	3.2	Glass	Silicon dioxide	2.10	0.62
		Alumina	Aluminium oxide	0.32	0.09
		Boron oxide	B ₂ O ₃	0.60	0.18
		Barium oxide	BaO	0.14	0.04
Pins	26.3	Kovar	Iron	14.06	4.12
			Nickel	7.54	2.21
			Kobalt	4.42	1.30
		Nickel plating	Nickel	0.07	0.02
		Gold plating (0.06µm min)	Gold	0.01	0.00
Cap	184.1	Nickel Silver	Nickel	32.89	9.65
			Copper	100.53	29.53
			Zinc	50.67	14.85
Electrode	0.2	Silver	Ag	0.21	0.06
Conductive Bond	2.8	Silver	Ag	2.21	0.65
		Epoxy	Epoxy Resin	0.56	0.16
Total:	341.0				100,00