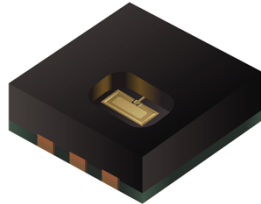


# MATERIAL DECLARATION SHEET



Material Number	BPS240			
Product Line	Sensors & Controls			
Compliance Date	2020/7/6			
RoHS Compliant	YES	MSL	N/A	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Custom IC	Silicon	1.4286	Silicon	7440-21-3	98.0321	13.3932	13.6621%
				Arsenic, elemental	7440-38-2	0.0010	0.0001	
				Boron	7440-72-8	0.0010	0.0001	
				Fluorine	7782-41-4	0.0002	0.0000	
				Phosphorus	7723-14-0	0.0010	0.0001	
				Aluminium	7429-90-5	0.0010	0.0001	
				TITANIUM	7440-32-6	0.0020	0.0003	
				Cobalt, elemental	7440-48-4	0.0010	0.0001	
				Polyimide	-	1.9607	0.2679	
2	Sensor Element	Glass	0.5714	Glass	65997-17-3	100.0000	5.4644	5.4644%
3	Sensor Module	Resin	0.8000	E glass	-	50.0000	3.8253	7.6506%
					-	50.0000	3.8253	

# MATERIAL DECLARATION SHEET



				Epoxy resin				
		Copper	0.1730	Copper (Cu)	7440-50-8	99.8650	1.6522	1.6544%
				Arsenic compound	-	0.0100	0.0002	
				Nickel compound	-	0.0300	0.0005	
				Chrome compound	-	0.0200	0.0003	
				Cobalt compound	-	0.0070	0.0001	
				Molybdenum compound	-	0.0080	0.0001	
				Zinc compound	-	0.0600	0.0010	
		Resin (Other)	0.0920	Acrylate type resin	-	49.1200	0.4322	0.8798%
				Organic pigment	-	0.7700	0.0068	
				Phthalocyanine blue	-	0.7700	0.0068	
				Talc	-	4.2100	0.0370	
				Barium sulfate	7727-43-7	35.1000	0.3088	
				silica	14807-96-6	0.7700	0.0068	
				Antifoaming Leveling material etc.	-	4.2100	0.0370	
				Photopolymerization initiator	-	4.2100	0.0370	
		Epoxy curing agent	-	0.8400	0.0074			
		Copper Plating	0.1440	Copper (Cu)	7440-50-8	100.0000	1.3771	1.3771%
		Nickel Plating	0.0480	Nickel	7440-02-0	91.9750	0.4222	0.4590%
				Lead	7439-92-1	0.0250	0.0001	
				Phosphorus	7723-14-0	8.0000	0.0367	
		Gold Plating	0.0060	GOLD	7440-57-5	100.0000	0.0574	0.0574%

# MATERIAL DECLARATION SHEET



		Resin	0.0370	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	48.3000	0.1709	0.3538%
				Curing agent	-	5.5500	0.0196	
				Silica glass	60676-86-0	45.4500	0.1608	
				Carbon Black	1333-86-4	0.7000	0.0025	
		Special Metal	0.0200	GOLD	7440-57-5	100.0000	0.1913	0.1913%
		Resin	7.1367	Silica glass	60676-86-0	83.5000	56.9888	68.2500%
				Epoxy resin	-	7.5000	5.1188	
				Phenol curing agent	-	2.5000	1.7063	
				Phenol curing agent 2	-	6.0000	4.0950	
				Carbon Black	1333-86-4	0.5000	0.3413	
Total weight		<b>10.4567</b>						

**This Document was updated on: 1/14/2021**

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.