

Material Safety Data Sheet

Company Information:

Manufacturer : Premier Farnell
 150 Armley Road
 Leeds LS12 2QQ
 Tel. : +44 (0) 870 129 8608

Emergency Contacts : +44 (0) 870 202530

Product Identification:

Article Name : Chip Fixed Resistors (0603)

Recyclate Information:

Recyclate information is stored on the reference to certain materials.

MSL:

A rating indicating a component's susceptibility to damage due to absorbed moisture when subjected to reflow soldering.

MDS Report

Substances of assemblies and materials

Characterization of the Component:

Tree Level	■ Article Name ● Name ▲ Substance name	■ Part/Item No. ● Material-No. ▲ CAS No.	■ ● IMDS ID / Version	■ Quantity	■ ● Weight (g)	● ▲ Portion (%)	● ▲ Portion (from-to) [%]	● Classif. ▲ GADSL, SVHC	● Recyclate (Indust./Consumer) ▲ Application
1	■ Chip Fixed Resistors (0603)	■ MC0603xxxxxxxxxE	131049068 / 2		0.001423				
-2	● Alumina substrate		41915386 / 3		0.000462			● 7.2	● No
-3	▲ Aluminium oxide	▲ 1344-28-1				96.6			
-3	▲ Quartz (SiO ₂)	▲ 14808-60-7				2.1		▲ D	
-3	▲ Magnesium-oxide	▲ 1309-48-4				1.1			
-3	▲ Calcium-oxide	▲ 1305-78-8				0.2			
-2	● Termination Inner (C1)	● CG-4400S	43706005 / 2		0.000049			● 4.2	● No
-3	Silver	7440-22-4				100			
-2	● Termination Inner (C2)	● C-1002	43706235 / 2		0.000025			● 4.2	● No
-3	▲ Silver	▲ 7440-22-4				94.99			
-3	▲ Glass spheres	▲ -				5.01			
-2	● Termination Inner (C3)	● Ni-Cr	43706527 / 2		0.000013			● 3.4	● No
-3	▲ Nickel	▲ 7440-02-0				80		▲ D	▲ Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm ² /week)

Material Safety Data Sheet

Tree Level	■ Article Name ● Name ▲ Substance name	■ Part/Item No. ● Material-No. ▲ CAS No.	■ ● IMDS ID / Version	■ Quantity	■ ● Weight (g)	● ▲ Portion (%)	● ▲ Portion (from-to) [%]	● Classif. ▲ GADSL, SVHC	● Recyclate (Indust./Consumer) ▲ Application
-3	▲ Chromium	▲ 7440-47-3				20			
-2	● Resistive element		42014828 / 1		0.000012			● 7.3	
-3	▲ Ruthenium(IV) oxide	▲ 12036-10-1				30.84			
-3	▲ Diboron-trioxide	▲ 1303-86-2				5.89			
-3	▲ Aluminium oxide	▲ 1344-28-1				16.83			
-3	▲ Zinc oxide	▲ 1314-13-2				2.53			
-3	▲ Silica, vitreous	▲ 60676-86-0				43.91			
-2	● Protective Coating (G1)	● G-5238	42013633 / 4		0.000016			● 7.2	● No
-3	▲ Glass spheres	▲ -				95			
-3	▲ Chromium(III) oxide	▲ 1308-38-9				5			
-2	● Protective coating (G2)	● EPI-1128	43706933 / 3		0.000016			● 7.3	
-3	▲ Epoxy resin	▲ -				100			
-2	● Termination Between		43707778 / 2		0.000238			● 4.2	● No
-3	▲ Nickel	▲ 7440-02-0				100		▲ D	▲ Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week)
-2	● Termination Outer	● H99.95S	42019493 / 2		0.000558			● 4.2	● No
-3	▲ Tin	▲ 7440-31-5				100			
-2	● Marking	● ZSR-150W	43709149 / 2		0.000019			● 7.3	
-3	▲ Epoxy resin	▲ -				100			

Part Number
MC0063W0603110K
MC0063W060315K6