

Dear Customers,

Material Data Sheet

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Company : Industrial Solutions Company, Panasonic Corporation

Address : 401 Sadamasa-cho, Fukui City, Fukui Japan

Department : Device Solutions Business Division Environment Management Section

Approved by : Hirokazu Yamada

Prepared by : Takeshi Torii

Telephone : +81-776-56-8028

Product P/N	ERJT06J@@@V				
Product Classification	Electric/Electronic component(Passive component)				
Product Name	Chip resistor	Substitute P/N	No	Weight TOTAL(mg)	4.89683
Pb	Pb free	Packaging Material	Not included		

Part Name		Material Name	Chemical Name	CASNo.	Remark	Weight of each chemical material in a part (mg)	Weight of a part(mg)	Rate of each chemical material in a part(%)	Rate of each chemical material in a product(wt%)	Rate of each part in a product(wt%)
Substrate		Ceramics	Aluminum oxide ; Alumina; Corundum; Al2O3	1344-28-1		4.0572000	4.2000000	96.6	85.769535	82.853361
			Quartz; SiO2	14808-60-7	0.0882000	2.1		1.801166		
			Magnesium oxide; MgO	1309-48-4	0.0420000	1		0.857698		
			Calcium oxide; CaO	1305-78-8	0.0126000	0.3		0.25731		
Top Terminal		Other special metals	Silver; Ag	7440-22-4		0.0329820	0.0340400	96.891889	0.695207	0.673599
			Palladium; Pd	7440-05-3	0.0004430	1.301411		0.009047		
		Glass	Cupric oxide; CuO	1317-38-0	0.0002050	0.602233		0.004187		
			Silica; Silicon dioxide	7631-86-9	0.0001030	0.302586		0.002104		
			Lead(II) oxide; Lead oxide (PbO); C.I. Pigment Yellow 46; Lead monooxide; Lead(2+) oxide	1317-36-8	0.0003070	0.901881		0.00627		
Bottom Terminal	EU RoHS exemption 7(c)-I	Other special metals	Silver; Ag	7440-22-4		0.0278450	0.0285600	97.496498	0.583256	0.568654
			Lead(II) oxide; Lead oxide (PbO); C.I. Pigment Yellow 46; Lead monooxide; Lead(2+) oxide	1317-36-8	0.0004290	1.502101		0.008761		
			Silica; Silicon dioxide	7631-86-9	0.0002860	1.001401		0.005841		
Resistive Element	EU RoHS exemption 7(c)-I	Glass	Lead(II) oxide; Lead oxide (PbO); C.I. Pigment Yellow 46; Lead monooxide; Lead(2+) oxide	1317-36-8		0.0049970	0.0113600	43.987675	0.232029	0.102087
			Ruthenium(IV) oxide; RuO2	12036-10-1	0.0043400	38.204226		0.088629		
			Boron oxide; B2O3	1303-86-2	0.0017040	15		0.034798		
			Other antimony compounds	-	0.0002130	1.875		0.00435		
			Manganese dioxide; MnO2	1313-13-9	0.0001060	0.933099		0.002165		
			Lead(II) oxide; Lead oxide (PbO); C.I. Pigment Yellow 46; Lead monooxide; Lead(2+) oxide	1317-36-8	0.0098320	54.988813		0.365177		0.200824
First Protective Coating-1	EU RoHS exemption 7(c)-I	Glass	Lead(II) oxide; Lead oxide (PbO); C.I. Pigment Yellow 46; Lead monooxide; Lead(2+) oxide	1317-36-8		0.0045780	0.0178800	25.604027	0.365177	0.093489
			Silica; Silicon dioxide	7631-86-9	0.0023070	12.902685		0.047113		
			Boron oxide; B2O3	1303-86-2	0.0023070	12.902685		0.047113		
			Zinc oxide; ZnO	1314-13-2	0.0007510	4.200224		0.015337		
			Chromium(III) oxide; Pigment green 17 (C.I.); Cr2O3	1308-38-9	0.0004120	2.304251		0.008414		
First Protective Coating-2	EU RoHS exemption 7(c)-I	Glass	Lead(II) oxide; Lead oxide (PbO); C.I. Pigment Yellow 46; Lead monooxide; Lead(2+) oxide	1317-36-8		0.0137650	0.0180000	76.47222	0.367607	0.281121
			Boron oxide; B2O3	1303-86-2	0.0010590	5.883334		0.021627		
			Chromium(III) oxide; Pigment green 17 (C.I.); Cr2O3	1308-38-9	0.0010590	5.883334		0.021627		
			Silica; Silicon dioxide	7631-86-9	0.0021170	11.761112		0.043232		
			Epichlorohydrin, o-cresol, formaldehyde polymer; Formaldehyde, polymer with (chloromethyl)oxirane and 2-methylphenol	29690-82-2	0.0279450	69		0.827068		0.570676
Second Protective Coating		Ceramics	Silica; Silicon dioxide	7631-86-9		0.0093150	0.0405000	23	0.827068	0.190226
			Others (Powder,etc)	Carbon black; C	1333-86-4	0.0032400		8		0.066166
			EP (Epoxy resin)	Epichlorohydrin, o-cresol, formaldehyde polymer; Formaldehyde, polymer with (chloromethyl)oxirane and 2-methylphenol	29690-82-2	0.0017010		60.967741		0.056998
Marking 1		Ceramics	Silica; Silicon dioxide	7631-86-9		0.0008510	0.0027900	30.501793	0.056998	0.017379
			Others (Powder,etc)	Titanium dioxide; Pigment white 6; TiO2	13463-67-7	0.0002380		8.530466		0.004861
			EP (Epoxy resin)	Bisphenol A, epichlorohydrin polymer; Epoxy resin; Epon 820; Araldite GY 250	25068-38-6	0.0686800		41.700061		3.363421
Side Terminal		Others (Powder,etc)	Carbon black; C	1333-86-4		0.0097180	0.1647000	5.900425	3.363421	0.198455
			Other nonferrous metals	Potassium titanium oxide; Potassium titanium oxide; K2Ti6O13	12056-51-8	0.0077410		4.700061		0.158082
			Other nonferrous metals	Tin; Sn	7440-02-0	0.2230000		100		4.553967
Middle Terminal		Nickel and Nickel alloys	Nickel; Ni	7440-02-0		0.2230000	0.2230000	100	4.553967	4.553967
Outer Terminal		Other nonferrous metals	Tin; Sn	7440-31-5		0.1560000	0.1560000	100	3.185735	3.185735

EU RoHS exemption 7(c)-I

Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectric devices, or in a glass or ceramic matrix compound