


Across the world new legislation is being introduced with regard to the use of hazardous substances in electronic equipment.

The main driving force for this change has been the Restrictions of Hazardous Substances (RoHS) Directive, and similar legislation around the world.

The majority of Syfer's products fully comply with the RoHS Directive. The table below indicates our compliance across the Syfer range.

Environmental Declarations for Syfer Product

			RoHS, WEEE, ELV Compliant	Standard Term. Matte 100% Sn	Compatible with lead-free solders	Compatible with lead solders
2nd Level Interconnect		2002/95/EC			Max temp 260°C for 10 seconds max.	Max temp 260°C for 10 seconds max.
Surface Mount Capacitors						
COG/NPO						
	0603	Yes	Yes	Yes	Yes	Yes
	0505	Yes	Yes	Yes	Yes	Yes
	0805	Yes	Yes	Yes	Yes	Yes
	1111	Yes	Yes	Yes	Yes	Yes
	1206	Yes	Yes	Yes	Yes	Yes
	1210	Yes	Yes	Yes	Yes	Yes
	1410	Yes	Yes	Yes	Yes	Yes
	1806	Yes	Yes	Yes	Yes	Yes
	1808	Yes	Yes	Yes	Yes	Yes
	1812	Yes	Yes	Yes	Yes	Yes
	1825	Yes	Yes	Yes	Yes	Yes
	2211	Yes	Yes	Yes	Yes	Yes
	2215	Yes	Yes	Yes	Yes	Yes
	2220	Yes	Yes	Yes	Yes	Yes
	2225	Yes	Yes	Yes	Yes	Yes
	3640	Yes	Yes	Yes	Yes	Yes
	5550	Yes	Yes	Yes	Yes	Yes
	8060	Yes	Yes	Yes	Yes	Yes
X7R & X8R						
	0603	Yes	Yes	Yes	Yes	Yes
	0805	Yes	Yes	Yes	Yes	Yes
	1206	Yes	Yes	Yes	Yes	Yes
	1210	Yes	Yes	Yes	Yes	Yes
	1410	Yes	Yes	Yes	Yes	Yes
	1806	Yes	Yes	Yes	Yes	Yes
	1808	Yes	Yes	Yes	Yes	Yes
	1812	Yes	Yes	Yes	Yes	Yes
	1825	Yes	Yes	Yes	Yes	Yes
	2211	Yes	Yes	Yes	Yes	Yes
	2215	Yes	Yes	Yes	Yes	Yes
	2220	Yes	Yes	Yes	Yes	Yes
	2225	Yes	Yes	Yes	Yes	Yes
	3640	Yes	Yes	Yes	Yes	Yes
	5550	Yes	Yes	Yes	Yes	Yes
	8060	Yes	Yes	Yes	Yes	Yes
Filters						
EMI Chips						
	E01	Yes	Yes	Yes	Yes	Yes
	E07	Yes	Yes	Yes	Yes	Yes
X2Y Chips	E03	Yes	Yes	Yes	Yes	Yes
Surface Mount						
	SBSM	Yes	Yes	No (220°C max)	Yes	Yes
	SBSG	Yes	Yes	No (220°C max)	Yes	Yes
	SBSP	Yes	Yes	Yes	Yes	Yes
Panel Mount Solder-in						
	SFSS	Refer to Factory ³	Refer to Factory ⁴	Yes	Yes	Yes
	SFSR	Yes	100% Ag	Yes	Yes	Yes
	SFST	Yes	100% Ag	Yes	Yes	Yes
	SFSU	Yes	100% Ag	Yes	Yes	Yes
Panel Mount Screw-in	All	Refer to Factory ³	100% Ag	Refer to Factory ³	Yes	Yes
Radial Lead						
Dipped						
	8111	Yes ²	Yes	Wave ¹	Yes	Yes
	8121	Yes ²	Yes	Wave ¹	Yes	Yes
	8131	Yes ²	Yes	Wave ¹	Yes	Yes
	8141	Yes ²	Yes	Wave ¹	Yes	Yes
	8151	Yes ²	Yes	Wave ¹	Yes	Yes
	8161	Yes ²	Yes	Wave ¹	Yes	Yes
	8171	Yes ²	Yes	Wave ¹	Yes	Yes
Planar Arrays	All	Yes	Gold or Pd/Ag	Yes	Yes	Yes

Note 1: Care must be taken not to reflow the internal joints when using high temperature Sn solders.

Note 2: RoHS compliant parts in full manufacture from 01/10/2005 with C42 suffix code.

Parts without C42 suffix code may or may not be RoHS compliant, please contact Sales Office for details.

Note 3: A Technical exception is currently being considered by the EU for inclusion into the RoHS Directive.

Note 4: 100% Ag pin finish, Au or Pd/Ag discoidal finish. Contact Sales Office for details on specific parts.

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