



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.

<b>Environmental Declarations for Syfer Product</b>					
		RoHS, WEEE, ELV Compliant	Standard Term. Matte 100% Sn over Ni or Cu Barrier	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.
<b>Surface Mount Capacitors</b>					
<b>COG/NPO &amp; Hi Q</b>					
0402	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
0603	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
0505	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
0805	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
1111	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
1206	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
1210	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
1410	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
1806	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
1808	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
1812	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
1825	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
2211	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
2215	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
2220	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
2225	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
3640	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
5550	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
8060	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
<b>X7R, X5R &amp; X8R</b>					
0603	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
0805	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
1206	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
1210	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
1410	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
1806	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
1808	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
1812	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
1825	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
2211	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
2215	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
2220	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
2225	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
3640	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
5550	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
8060	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
<b>Filters</b>					
<b>EMI Chips</b>					
E01	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
E07	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
<b>X2Y Chips</b>					
E03	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
<b>Surface Mount</b>					
SBSM	Yes <sup>4</sup>	Yes	No (220°C max)	Yes (220°C)	Yes (220°C)
SBSG	Yes <sup>4</sup>	Yes	No (220°C max)	Yes (220°C)	Yes (220°C)
SBSP	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
<b>Panel Mount Solder-in</b>					
SFSS	Yes <sup>3,4</sup>	Yes	Yes	Yes	Yes
SFSR	Yes <sup>3,4</sup>	100% Ag	Yes	Yes	Yes
SFST	Yes <sup>3,4</sup>	100% Ag	Yes	Yes	Yes
SFSU	Yes <sup>3,4</sup>	100% Ag	Yes	Yes	Yes
<b>Panel Mount Screw-in</b>					
All	Yes <sup>3,4</sup>	100% Ag	Yes	Yes	Yes
<b>Planar Arrays</b>					
All	Yes <sup>4</sup>	Gold or Pd/Ag	Yes	Yes	Yes
<b>Discoidals</b>					
All	Yes <sup>4</sup>	Gold or Pd/Ag	Yes	Yes	Yes
<b>Filters</b>					
<b>Dipped</b>					
8111	Yes <sup>2,4</sup>	Yes	Wave <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>
8121	Yes <sup>2,4</sup>	Yes	Wave <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>
8131	Yes <sup>2,4</sup>	Yes	Wave <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>
8141	Yes <sup>2,4</sup>	Yes	Wave <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>
8151	Yes <sup>2,4</sup>	Yes	Wave <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>
8161	Yes <sup>2,4</sup>	Yes	Wave <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>
8171	Yes <sup>2,4</sup>	Yes	Wave <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>

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

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

All parts are available with Sn/Pb plated finish, please contact Sales Office for details.

Technical exemptions to the RoHS Directive may apply, these are listed as:

Note 3: 24. Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer caps

Note 4: 7. Lead in electronic ceramic parts (e.g. piezoelectronic devices)