

RoHS

The directive 2002/95/EC of the European Parliament and of the Council on the **R**estriction of the use of certain **h**azardous **s**ubstances in electrical and electronic equipment became effective 1st July 2006. "RoHS" affects the use of the following substances

- lead (Pb)
 - mercury (Hg)
 - cadmium (Cd)
 - hexavalent chromium (Cr⁺⁶)
 - polybrominated biphenyls (PBB) *
 - polybrominated diphenylethers (PBDE) *
- * flame retardant

These substances should either completely be missing or not exceed established limits.

Availability of RoHS-compliant products

DC/DC-Converters			
Family	RoHS	Family	RoHS
ICR 1	not RoHS-compliant	IPE 6	RoHS-compliant
IWR 1	not RoHS-compliant	IPS 6	RoHS-compliant
IXR 1	not RoHS-compliant	IPL 7	RoHS-compliant
IYR 1	not RoHS-compliant	IPL 10	RoHS-compliant
IZR 1	not RoHS-compliant	IPN 10	RoHS-compliant
CPE 3	RoHS-compliant	IPR 10	RoHS-compliant
CPL 3	RoHS-compliant	IPS 10	RoHS-compliant
CPS 3	RoHS-compliant	IPN 12	RoHS-compliant
IPS 3	RoHS-compliant	IPL 13	RoHS-compliant
IPW 3	RoHS-compliant	IPL 15	RoHS-compliant
IPX 3	RoHS-compliant	IPN 15	RoHS-compliant
CPM 4	RoHS-compliant	IPR 15	RoHS-compliant
INX 4	RoHS-compliant	IPS 15	RoHS-compliant
IPS 4	RoHS-compliant	IPS 18	RoHS-compliant
NPE 4	RoHS-compliant	IPR 20	not RoHS-compliant
ICR 5	not RoHS-compliant	IPS 20	not RoHS-compliant
CPE 6	RoHS-compliant	INR 30	RoHS-compliant
CPI 6	RoHS-compliant	IPS 30	not RoHS-compliant
ICR 6	not RoHS-compliant	IPS 40	not RoHS-compliant
IPD 6	RoHS-compliant		

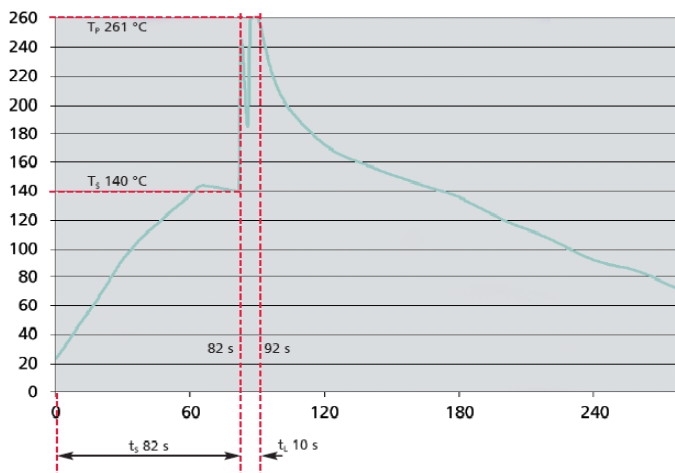
Switching Regulators	
Family	RoHS
ISC 5	RoHS-compliant
ISD 5	RoHS-compliant
ISR 5	upon request
ISR 10	RoHS-compliant
ISR 15	RoHS-compliant
ISR 25	RoHS-compliant
20 ISN	RoHS-compliant
40 ISN	RoHS-compliant

- RoHS-compliant
- upon request
- not RoHS-compliant

General guideline

- min. order quantities : 100 pcs.
- warranty : 2 years
- ordering code : add RoHS to type number,
- : e.g. 24 ISC 5-05-T RoHS

Recommendable temperature profiles for lead-free solder processes (THT wave soldering)



- T_S preheat temperature
- T_P peak temperature
- t_S preheat time
- t_L soldering time

Liquid Flux

The following liquid flux is recommended:
EO-Flux „GSP-2533/RX“,
(acc. to DIN-EN 29454: 1.2.3.A)