

# **Material Safety Data Sheet**

# 1. PRODUCT AND COMPANY IDENTIFICATION

Product Description: Surface Mount Devices

Package: SOT-23

Creation date:April 09, 2014

Revision:A

Responsible Section:QA & R Department

Manufacturer: LESHAN RADIO COMPANY, LTD.

Address: 287 West People Road, Leshan, Sichuan, China

Phone: +86-833-2150309

# 2. Product Chemical Content/Compound

Total Component Weight: 8.13 mg

Component	Material	Estimated Avg Weight (mg)	Substance in Material	Estimated Avg Weight(mg)	Content	CAS No.
Molding Compound	Epoxy Resin	4.9	Silica fused	4.312	88.00%	7631-86-9
			Phenolic resin	0.490	10.00%	9003-35-4
			Carbon Black	0.049	1.00%	1333-86-4
			Zinc oxide	0.049	1.00%	1314-13-2
Lead Frame	Alloy42	2.92	Copper(Cu)	0.286	9.79%	7440-50-8
			Iron(Fe)	1.528	52.33%	7439-89-6
			Nickel(Ni)	1.106	37.88%	7440-02-0
Die	Si	0.16	Silicon(Si)	0.160	100.00%	7440-21-3
Plating Layer	Sn	0.14	Tin(Sn)	0.140	100.00%	7440-31-5
Wire Bond	Cu	0.01	Copper(Cu )	0.010	100.00%	7440-50-8

# 3. Summary of Hazardous Substances

- Ingredients of this product don't contain Paraformaldehyde, Organic tin compound, Azocompounds, TBBPA, PFOS.

# 4. Medical Emergency

N/A

## 5. Fire Precautions

N/A



# 6. Measures for Leakage

N/A

# 7. Handling and Storage

Handling:

- Handle with care to protect products from shock-induced breakage;
- Unpack products in clean room. Do not handle with bare hands.

#### Storage:

- Store at room temperature Tstg= $25\pm5^{\circ}$ C;
- Store at room humidity 30% RH≤70%.

#### 8. Product Protection

- ESD packing, Same polarity alignment and prevention of exposure/distortion.

## 9. Physical/Chemical Properties

-Black solid material

#### 10. Stability and Reactivity

- Stableand Non-reactivity.

#### 11. Toxicity Information

- No data available.

## 12. Environmental Impact Information

- Harmless to environment.

## 13. Disposal of Product

- Disposal of product must conform to disposal regulations and restrictions by local government.

## 14. Transportation of Product

- As the product is likely to be damaged by ESD and distortion, use cushioning and antistatic material for transport packaging. When loading, to keep the cargo from breakage by collapse.

## 15. Regulatory Information

Suitable Regulation:

-Ingredients of this product are compliant with RoHS requirement.



# 16. Other

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