

HITANO RoHs Compliant Presentation

RoHs compliant market requirement :

Europe : By July 1, 2006 all finished electronics products have to be lead free and RoHs compliant

Definition of Lead Free :

- ☆ Europe EUELVD < 0.1 % weight Pb (1000ppm)
- ☆ U.S.A. JEDEC < 0.2 % weight Pb (2000ppm)
- ☆ Japan JEIDA < 0.1 % weight Pb (1000ppm)

Status of HITANO products of RoHs compliant :

All HITANO products are now available in all series of RoHs compliant.

Certificate of Compliance : See file :



http://www.hitano.com.tw/pdf/rohs/COC-ROHS_Declaration.pdf

■ Electrolytic capacitor

Part No. = Remains the same without change. There will be RoHs marked on the label and package to verify they are RoHs compliant (See page No. 5)

Termination : 100% Tin coated CP Wire

Soldering profile : See file



Soldering_Radial_E_cap



Soldering_V-chip

SGS test certificate : See file





E-CAP test Report



V-CHIP test Report

■ **Multilayer ceramic chip capacitor**

Part No. = Remains the same without change. There will be RoHs marked on the label and package to verify they are RoHs compliant (See page No. 5)

Termination : See file  Product_content_sheet  Mlcc_Product_introduction

Soldering profile : See file  Soldering_Mlcc

SGS test certificate : See file  NPO  X7R  X5R  Y5V

■ **Ceramic Disc Capacitor**

Part No. = Remains the same without change. There will be RoHs marked on the label and package to verify they are RoHs compliant (See page No. 5)

Termination : 100% Tin coated cooper wire

Soldering profile : See file  Soldering_Ceramic_Dip

SGS test certificate : See file  Ceramic test Report

■ **Multilayer Ceramic Capacitor. Leaded Type**

Part No. = Remains the same without change. There will be RoHs marked on the label and package to verify they are RoHs compliant (See page No.5)

Termination : 100% Tin coated cooper wire

Soldering profile : See file :  Soldering_Multilayer

SGS test certificate : See file  Multilayer test Report

■ **Metal Oxide Varistor. Leaded Type.**

Part No. = Remains the same without change. There will be RoHs marked on the label and package to verify they are RoHs compliant (See page No.5)

Termination : 100% Tin coated cooper wire

Soldering profile : See file :  Soldering_Varistor

SGS test certificate : See file :  VCR-DIP  SMD

■ **Film Capacitor, Series PEI, MER, MEF, MPR, PPN, PPS, MEB**

Part No. = Remains the same without change. There will be RoHs marked on the label and package to verify they are RoHs compliant (See page No. 5)

Termination : 100% Tin coated cooper wire

Soldering profile : See file :  Soldering_Film

SGS test certificate : See file :  Film test Report

■ **Film Capacitor, Series MPX**

Part No. = Remains the same without change. There will be RoHs marked on the label and package to verify they are RoHs compliant (See page No. 5)

Termination : 100% Tin coated cooper wire

Soldering profile : See file :  Soldering_MPX

SGS test certificate : See file :  MPX test Report

■ **Chip Resistor**

Part No. = Remains the same without change. There will be RoHs marked on the label and package to verify they are RoHs compliant (See page No. 5)

Pb : a) Termination : 80ppm

b)Glass of Chip Resistor : > 1000ppm (Rohs permits Pb can be contained in glass of electronics components.)

Remark: If glass is excluded, Pb content in Chip Resistor is less than 1000ppm

Soldering profile : See file :  Soldering_Chip_Resistor

SGS test certificate : See file :  Chip_Resistor test Report

■ **Leaded Resistor, Series CR(S). MFR(S,SS), MOR, (N)KNP**


























Part No. = Remains the same without change. There will be RoHs marked on the package to verify they are RoHs compliant

Termination : 100% Tin coated cooper wire

Soldering profile : See file :  Soldering_Leaded_Resistor

SGS test certificate : See file :  CR  MFR  MOR  KNP

Example of Label for RoHs compliant products

<p style="text-align: center;">HITANO</p> <div style="border: 1px solid black; padding: 5px;"> <p>ECR 1 uF 100 V</p> <p>RADIAL TYPE 85°C 5X11 F=2.5mm</p> <p>P/N : ECR010M2AAT1 C/N : </p> <p>L/N : F050623019-JDI M/N : </p> <p>Q'ty : 2000 pcs </p>  </div>	<p>HITANO CHIP CAPACITORS</p> <p>Part No: 0805B102K500NT </p> <p>Q'TY.: 4000 pcs </p> <p>Lot No: 4051742X9KAB </p> <p>Cust P/N: 2005/08/09 MADE IN TAIWAN</p>										
<p>Electrolytic capacitor</p>	<p>Multilayer ceramic chip capacitor</p>										
<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">CERAMIC DISC CAPACITOR</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>CAP. 22PF</td> <td>TOL. +-10%</td> </tr> <tr> <td>W.V: 50</td> <td>V.DC. T.C. NPO</td> </tr> <tr> <td>Q'TY 1000</td> <td>PCS.</td> </tr> <tr> <td>P/N TCH1H220K-L515B</td> <td></td> </tr> <tr> <td>LOT NO. DW9-5G29208</td> <td></td> </tr> </table> <p style="text-align: center;">HITANO ENTERPRISE CORP @ 1</p> <p style="text-align: right;">MADE IN TAIWAN</p> </div>	CAP. 22PF	TOL. +-10%	W.V: 50	V.DC. T.C. NPO	Q'TY 1000	PCS.	P/N TCH1H220K-L515B		LOT NO. DW9-5G29208		<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">HITANO</p> <p>P/N : R15N101J 1HH5-6</p> <p>MULTILAYER CERAMIC CAPACITOR</p> <p>R15N101J1HH5-6 100 PF 50 V</p> <p>TOL.: +/-5% L/N : F050721013 </p> <p>T.C. : NPO L/S : 5.0 mm</p> <p>Q'ty : 1000 pcs </p> <p>5  MADE IN TAIWAN</p> </div>
CAP. 22PF	TOL. +-10%										
W.V: 50	V.DC. T.C. NPO										
Q'TY 1000	PCS.										
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LOT NO. DW9-5G29208											
<p>Ceramic Disc Capacitor</p>	<p>Multilayer Capacitor. Leaded Type</p>										
<p>VCR </p> <p>Metal Oxide Varistors</p> <p>Part No: VCR-07D151K </p> <p>Voltage : 95 Vac rms</p> <p>Q'TY.: 500 pcs </p> <p>Lot No: PCF-3A0998 </p>	<p>HITANO Enterprise Corp. Metallized Polyester Film Cap. Radial type. 'MER' series</p> <p>P/N: MER102K2EB </p> <p>Cap.: 1.0 NF W.V.: 250 VDC Tol. : +/- 10% Pitch : 10 mm</p> <p>Q'TY: 250 Pcs</p> <p>Lot No.: ABC-00000 </p> <p>MADE IN TAIWAN R.O.C.</p>										
<p>Metal Oxide Varistor.</p>	<p>Film Capacitor</p>										
<p>HITANO Enterprise Corp. Metallized Polyester Film Cap. Radial type. 'MPX' series</p> <p>P/N: MPX103K2EB </p> <p>Cap.: 10 NF W.V.: 275 VAC Tol. : +/- 10% Pitch : 10 mm</p> <p>Q'TY: 500 Pcs</p> <p>Lot No.: GJM-5G01393 </p> <p>MADE IN TAIWAN R.O.C.</p>	<p>HITANO CHIP RESISTORS</p> <p>P/N RC0603FR-100KR </p> <p>Q'TY.: 5000 pcs </p> <p>M/N 455072860155 </p> <p>Description : 0603 1% 100KΩ </p>										
<p>Film Capacitor, Series MPX</p>	<p>Chip Resistor</p>										