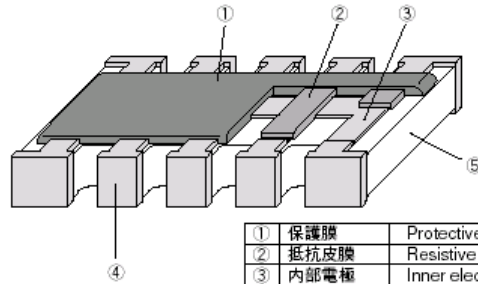
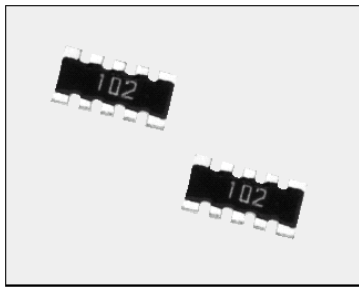


1. 構造図 / Construction



① 保護膜	Protective coating
② 抵抗皮膜	Resistive film
③ 内部電極	Inner electrode
④ 外部電極	Electrode
⑤ セラミック	Ceramic substrate

2. 欧州RoHS適合 / EU-RoHS Compliance

特定危険物質 Certain hazardous substances	最大許容濃度 (欧州 RoHS 指令) Maximum concentration values (EU-RoHS)※	判定 Judgment
Cd	<100ppm	Compliance
Cr ⁶⁺	<1000ppm	Compliance
Pb	<1000ppm	Compliance
Hg	<1000ppm	Compliance
PBB	<1000ppm	Compliance
PBDE	<1000ppm	Compliance

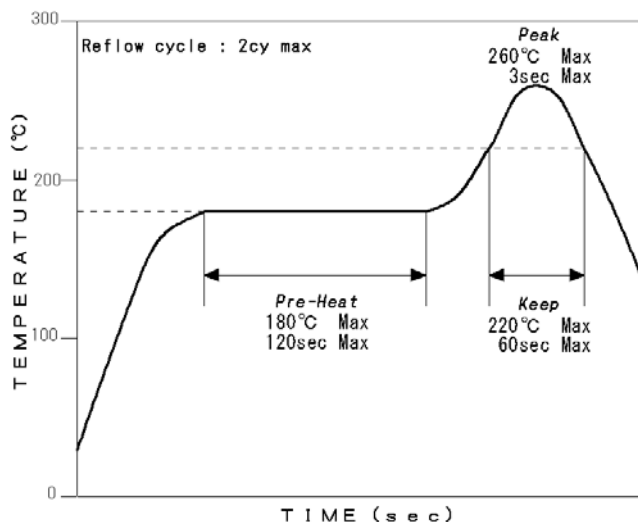
※ 均質材料の最大許容濃度(Amending Directive 2005/618/EC)

※ Maximum concentration values by weight in homogeneous materials(Amending Directive 2005/618/EC)

電極、抵抗、ガラスに含まれる鉛ガラスは欧州 RoHS 指令 (2002/95/EC) の適用除外です。
EU-RoHS (2002/95/EC) regulation is not intended for Pb-glass contained in electrode, resistor element and glass.

3. 推奨はんだ付け条件及びはんだ耐熱温度 Recommended Soldering condition and resistance to soldering heat

Recommended Soldering condition



はんだ耐熱温度(フロー) Resistance to soldering heat(Flow) : 260°C±5°C10s±1s

KOA株式会社ホームページ: <http://www.koanet.co.jp/>

製品情報ページ: <http://www.koaproducts.com/>

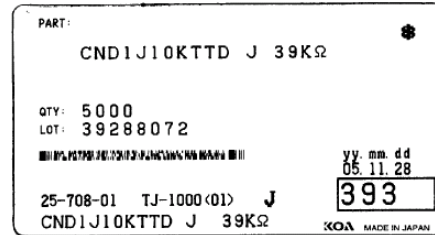
4. ISO9000シリーズ及びISO/TS16949, ISO14001取得状況 ISO9000 series & ISO/TS16949, ISO14001 Registration

ISO9000 series & ISO/TS16949 Registration				
Company	ISO9000S	ISO/TS16949	Registration	Registrar
KOA CORPORATION	Dec.1994	-	JQA-0751	JQA
	-	Oct.2003	JQA-AU0008-1-5	JQA
KOA ELECTRONICS CO.,LTD.	May.1996	Oct.2003	A4168	UL
MINOWA KOA INC.	May.1996	Oct.2004	A4614	UL
TOHOKU ELECTRIC INC.	Jan.1997	Nov.2003	A5150	UL
KASHIMA KOA DENKO CO.,LTD.	Feb.1997	-	JQA-QMA11788	JQA
	-	Nov.2003	JQA-AU0073	JQA
TAMA ELECTRIC CO.,LTD.	Oct.1996	-	A12449	UL
KOA DENKO (MALAYSIA) SDN. BHD.	Sep.1995	-	AR0671	SIRIM
	-	Oct.2004	AR3395	SIRIM
KOA KAOHSIUNG CORPORATION	Dec.1996	Nov.2003	A6400	UL
DAH HSING ELECTRIC CO.,LTD.	Feb.1997	-	QSC-5019	DNV
	-	Mar.2004	CERT-06691-2004AQ-HOU-IATF	DNV
SHANGHAI KOA ELECTRONICS CO.,LTD.	Dec.1997	-	01 000 99494	TUV
	-	Jan.2004	01 111 99494	TUV
KOA ELECTRONICS (TAICANG) CO.,LTD.	May.2001	Jul.2004	A10220	UL
WUXI KOA ELECTRO CERAMICS CO.,LTD.	Aug.2000	-	01203Q10197RIM	CEPREI

ISO14001 Registration			
Company	ISO14001 Registration	Registration	Registrar
KOA CORPORATION	Apr.1998	JQA-EM0155	JQA
KOA ELECTRONICS CO.,LTD.	Mar.2001	A9943	UL
TOHOKU ELECTRIC INC.	Mar.2001	JQA-EM1453	JQA
KASHIMA KOA DENKO CO.,LTD.	Oct.2000	JQA-EM1075	JQA
MINOWA KOA INC.	Feb.2002	JQA-EM2130	JQA
TAMA ELECTRIC CO.,LTD.	Feb.2000	EMS00005D	RCJ
KOA KAOHSIUNG CORPORATION	Mar.2000	A8888	UL
DAH HSING ELECTRIC CO.,LTD.	Mar.2000	1546-2000-AE-RGC-RvA	DNV
SHANGHAI KOA ELECTRONICS CO.,LTD.	Dec.2001	04204E10019R1M	EIQA
KOA ELECTRONICS (TAICANG) CO.,LTD.	Jul.2002	CN-00207E20537R1M	CQM
KOA DENKO (MALAYSIA) SDN. BHD.	Dec.2002	01205E10756R0M	LRQA
WUXI KOA ELECTRO CERAMICS CO.,LTD.	Dec.2005	01205E10756R0M	CEPREI

5. 「端子鉛フリー品」の識別表示 / Identification of "terminal lead free product"

- 端子鉛フリー品の品名は、端子有鉛品との識別を確実にするため、新規に設定いたしました。(6.品名構成 参照)
In order to ensure that the existing products and the termination lead free products will be identified, new product names are set up. (Refer to "6.Type Designation")
 - 識別マークは“\$”を製品ラベルの余白部に表示しています。
The identification mark "\$" for the termination lead free product will be printed at a space on the product label.
- ☆端子鉛フリー品は欧州 RoHS 対応品です。
Products with lead free termination meet EU-RoHS requirements.



6. 品名構成 / Type Designation

品種 Product Code	形状 Size	端子数 Number of Termination	回路記号 Circuit Symbol	端子記号 Terminal Symbol	端子表面材質 Terminal Surface Material	二次加工 Taping	公称抵抗値 Nominal Resistance	抵抗値許容差 Resistance Tolerance
CND	1J	10	V	K	T	TD	103	J
	1J	10terminals		K : Convex type with squared corners	T:Sn	TD:4mm punch press paper BK:Bulk	3桁乗数 3digits	J:±5%
			Nil : Standard common electrode V : Reverse common electrode					