232276366809 — PHYCOMP — RESISTANCE 2512 1% 68R

Image non contractuelle - Seulement à titre d'illustration.
Veuillez vous reporter au descriptif technique.

Images complémentaires

Fabricant: PHYCOMP

Code commande: 1283154

Référence fabricant: 232276366809

Conformité RoHS : **Oui**

Description

- RESISTANCE 2512 1% 68R
- Résistance:68Ohm
- Series:PRC221
- Tolerance, resistance ±:±1%
- Puissance:1W
- Température de fonctionnement:-55°C à +155°C
- Type de résistance:Thick Film
- Tension:200V dc
- Temperature coefficient ±:±200ppm/°C
- Type de boîtier:2512
- Coefficient de température -:200ppm/°C
- Coefficient de température, +:200ppm/°C
- Largeur (externe):3.1mm
- Longueur/hauteur:6.35mm
- Profondeur:0.55mm
- Température de fonctionnement max.:155°C
- Température de fonctionnement min.:-55°C
- Tension c.c.:200V
- Tolérance +:1%
- Tolérance -:1%

Disponibilité

Disponibilité: 3281

Prix Pour: 1

Quantité minimum: 5

Multiple de commande: 5

Prix Unitaire HT: 0,28 €

Qté

Prix

Qté	Prix Unitaire HT
5 - 99	0,28 €
100 - 999	0,23 €
1000 - 3999	0,196 €
4000 +	0,14 €

Description technique

Toute la série

Page du Catalogue:
1014 / KTA

Certificat de conformité RoHS

Technical Data Sheet (216 kB) EN

Get ADOBE READER

Attributs techniques

poids (kg): 0,00425
Poids approximatif dans son emballage d'origine

Tarif Douanier: 85332100

Pays d'origine: TW Taiwan
Pays dans lequel la dernière étape de production majeure est intervenue

Accessoires

Image	Code Commande	Fabricant Réf. fab.	Description	Données techniques	Conformité RoHS	Pièces en stock.	Qté par Paquet	Prix Unitaire HT	Qté
	106610	ELECTROLUBE SMA10SL	**COLLE POUR CMS 10ML** Capacité:10ml; Temps de récupération maxi:30min; Temps de récupération mini:5min; Température de fonctionnement max.:120°C; Température de fonctionnement min.:90°C; Volume:10ml;		Oui	106	1		

MARKING

RC2512

Fig. 1 Value=10 KΩ

E-24 series: 3 digits

First two digits for significant figure and 3rd digit for number of zeros

Fig. 2 Value=10 KΩ

Both E-24 and E-96 series: 4 digits

First three digits for significant figure and 4th digit for number of zeros

For marking codes, please see EIA-marking code rules in data sheet "Chip resistors instruction".

CONSTRUCTION

The resistors are constructed out of a high-grade ceramic body. Internal metal electrodes are added at each end and connected by a resistive paste. The composition of the paste is adjusted to give the approximate required resistance and laser cutting of this resistive layer that achieves tolerance trims the value. The resistive layer is covered with a protective coat and printed with the resistance value. Finally, the two external terminations (pure Tin) are added. See fig. 3.

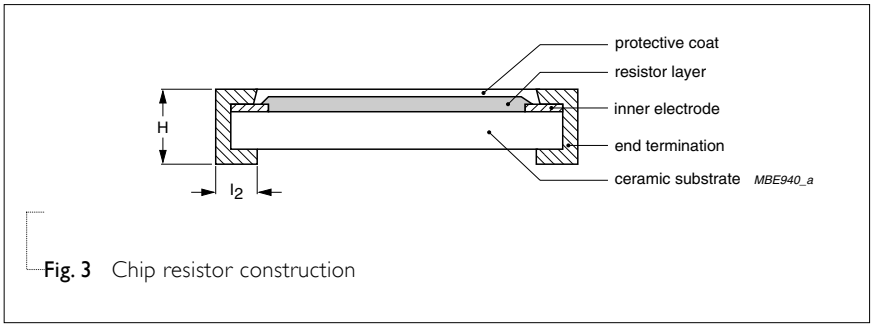

Fig. 3 Chip resistor construction

DIMENSIONS

Table 1

TYPE	RC2512
L (mm)	6.35 ±0.10
W (mm)	3.10 ±0.15
H (mm)	0.55 ±0.10
l_1 (mm)	0.60 ±0.20
l_2 (mm)	0.50 ±0.20

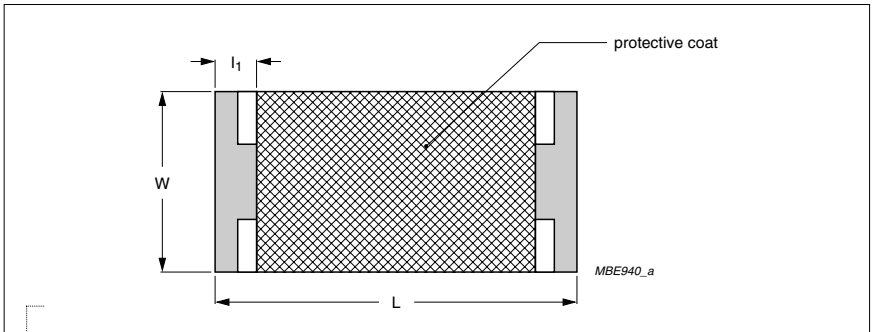

Fig. 4 Chip resistor dimension

For dimension see Table 1

ELECTRICAL CHARACTERISTICS

Table 2

CHARACTERISTICS		RC2512 1 W
Operating Temperature Range		–55 °C to +155 °C
Maximum Working Voltage		200 V
Maximum Overload Voltage		500 V
Dielectric Withstanding Voltage		500 V
Resistance Range	5% (E24)	1 Ω to 22 MΩ
	1% (E96)	1 Ω to 10 MΩ
		Zero Ohm Jumper < 0.05 Ω
Temperature Coefficient	10 Ω < R ≤ 10 MΩ	±100 ppm/°C
	R ≤ 10 Ω; R > 10 MΩ	±200 ppm/°C
Jumper Criteria	Rated Current	2.0 A
	Maximum Current	10.0 A

FOOTPRINT AND SOLDERING PROFILES

For recommended footprint and soldering profiles, please see the special data sheet "Chip resistors mounting".

ENVIRONMENTAL DATA

For material declaration information (IMDS-data) of the products, please see the separated info "Environmental data".

PACKING STYLE AND PACKAGING QUANTITY

Table 3 Packing style and packaging quantity

PRODUCT TYPE	PACKING STYLE	REEL DIMENSION	QUANTITY PER REEL
RC2512	Embossed taping reel (K)	7" (178 mm)	4,000 units

NOTE

1. For embossed tape and reel specification/dimensions, please see the special data sheet "Packing" document.

FUNCTIONAL DESCRIPTION

POWER RATING

RC2512 rated power at 70°C is 1 W

RATED VOLTAGE

The DC or AC (rms) continuous working voltage corresponding to the rated power is determined by the following formula:

$V=\sqrt{(P \times R)}$

Where

V=Continuous rated DC or AC (rms) working voltage (V)

P=Rated power (W)

R=Resistance value (Ω)

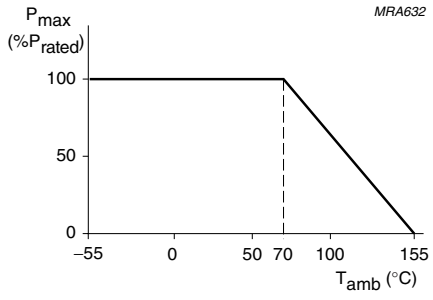

Fig. 5 Maximum dissipation (P_{max}) in percentage of rated power as a function of the operating ambient temperature (T_{amb})