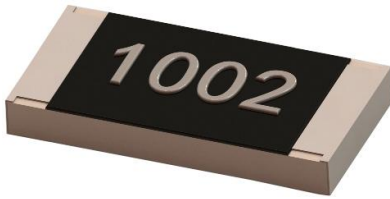


Fully Lead-free Thick Film Pulse-Proof Chip Resistor – BCFG Series



Features

- RoHS, Halogen Free and REACH Compliance
- High component and equipment reliability
- PCB space saving
- None forbidden-materials used in products/production

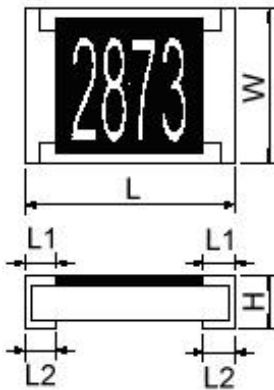
Applications

- All general purpose application

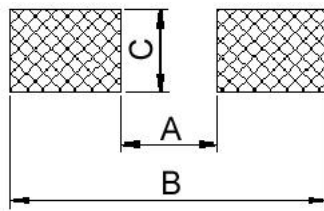
Product Identification

B	CFG	00	2512	-	1002	F	TP
Grade	Product Series	Control Code	Dimensions Code	Special Code	Nominal Resistance	Tolerance	Taping Code
	EU Pb-Free		1206		10R2=10.2Ω	D=±0.5%	TP (5000Pcs) : 1206~1210
	Pulse Proof		1210		1002=10KΩ	F=±1%	TE (4000Pcs) : 2010~2512
	Thick Film		2010				
	Chip Resistors		2512				

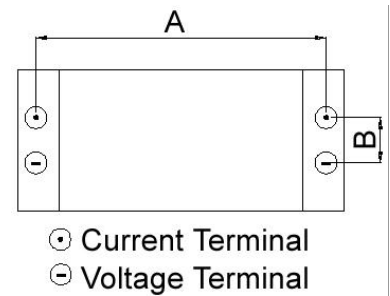
Configuration and Dimensions



Recommended Pattern



Measurement Point



Dimensions in mm

Type	Configuration and Dimensions					Recommended Pattern			Measurement Point	
	L	W	H	L1	L2	A	B	C	A	B
BCFG001206	3.05±0.10	1.55±0.10	0.50±0.10	0.45±0.20	0.35±0.15	2.2	4.2	1.6	2.90±0.05	0.35±0.05
BCFG001210	3.05±0.10	2.55±0.10	0.55±0.10	0.50±0.20	0.50±0.20	2.2	4.2	2.8	2.90±0.05	0.35±0.05
BCFG002010	5.00±0.20	2.50±0.20	0.55±0.10	0.60±0.20	0.60±0.20	3.5	6.1	2.8	4.50±0.05	1.15±0.05
BCFG002512	6.30±0.20	3.20±0.20	0.55±0.10	0.60±0.20	0.60±0.20	3.8	8	3.5	5.90±0.05	1.60±0.05

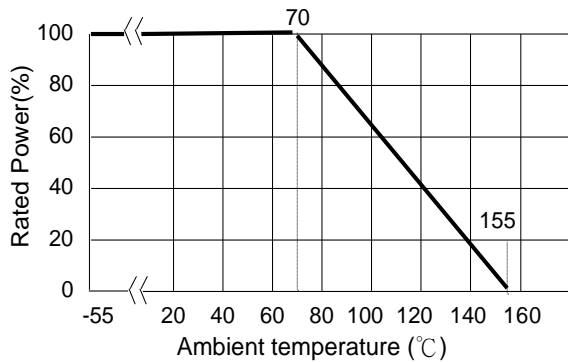
Fully Lead-free Thick Film Pulse-Proof Chip Resistor – BCFG Series

Electrical Characteristics Resistance Range:

Type	Rated Power at 70°C (W)	Working Voltage (V) Max.	Overload Voltage (V) Max.	T.C.R (ppm/°C)	Resistance Range (Ω)
					±0.5%,±1%,
BCFG001206	1/2	200	400	+250	10 ≤ R ≤ 1M
BCFG001210	3/4	200	400	+250	10 ≤ R ≤ 1M
BCFG002010	3/4	200	400	+250	10 ≤ R ≤ 1M
BCFG002512	1	200	400	+250	10 ≤ R ≤ 1M
Operating Temperature Range					-55°C ~ +155°C

Note: When ordering, please specify tolerance code. Tolerance: D=±0.5%, F=±1%,

- Power Derating Curve: Operating Temperature Range: -55°C ~ +155°C, The power requirement is amended according to following curve chart.



- Rating Current: The resistor shall have a DC continuous working current or a rms. AC continuous working current at commercial-line frequency and wave form corresponding to the power rating, as determined from the following:
Remark: I: Rating Current.(A) , P: Rating Power.(W), R: Nominal Resistance.(Ω)

$$I = \sqrt{P/R}$$

Legal disclaimer

CHILISIN, its distributors and agents (collectively, "CHILISIN"), hereby disclaims any and all liabilities for any errors, inaccuracies or incompleteness contained in any product related information, including but not limited to product specifications, datasheets, pictures and/or graphics. CHILISIN may make changes, modifications and/or improvements to product related information at any time and without notice.

CHILISIN makes no representation, warranty, and/or guarantee about the fitness of its products for any particular purpose or the continuing production of any of its products. To the maximum extent permitted by law, CHILISIN disclaims (i) any and all liability arising out of the application or use of any CHILISIN product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for a particular purpose, non-infringement and merchantability.

CHILISIN defined this product is for general electrical use , not design for any application for automotive electrical ,life-saving or life support equipment, or any application which may inflict casualties if CHILISIN product failure occurred. When consumer is using or selling products of CHILISIN without having discussion with the sales representatives and specifically stated the applicability mentioned above in a written form, then the client need to take a full responsibility and agree to protect CHILISIN from punishment and damage.

Information provided here is intended to indicate product specifications only. CHILISIN reserves all the rights for revising this content without further notification, as long as products are unchanged. Any product change will be announced by ECN.