Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

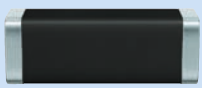
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

EPCOS Sample Kit 2017

Ceramic Transient Voltage Suppressors

CTVS Multilayer Varistors for Surge Protection



www.epcos.com

Protection against ESD and high energy transients

The surge protection series comprises a range of multilayer varistors for protection against severe transient overvoltage and high surge currents, such as 8/20 µs pulses with peak currents up to 6000 A.

Features

- High surge load capability acc. to IEC 61000-4-5
- Reliable ESD protection up to 30 kV acc. to IEC 61000-4-2, level 4
- High surge voltage capability up to 2 kV for 10/700 µs acc. to IEC 61000-4-5
- Bidirectional protection
- Low leakage current
- Long-term ESD stability
- UL approval to UL1449 (file number E481997)
- RoHS-compatible, lead-free
- PSpice simulation models available

Applications

- Industrial applications
- Building safety and security applications
- Power supplies
- Control and measurement equipment
- PoE (Power over Ethernet)

Design

- Multilayer chip technology
- Termination:
  - CT types with nickel barrier terminations (AgNiSn), recommended for lead-free soldering, and compatible with tin/lead solder
  - CN types with silver-platin termination (AgPt) for reflow and wave soldering with solder on tin/lead basis or lead-free with a silver containing solder

More details and applications under www.epcos.com/ctvs

Components

B72520 T0110K062	B72530 E0140K062	B72530 T6500K062	B72530 T0600K062	B72580 T0500K062	B72540 E0300K062	B72540 T6300K062	B72542 V6300K062
							

B72540 E0400K062	B72540 T0500K062	B72540 T6500K062	B72540 T6500S162	B72542 V6500S162	B72542 V6500K062	B72540 T0600K062	B72542 V6600K062
							

Product range

Electrical specifications and ordering codes

EIA case size	Ordering code	$V_{RMS, max}$ V	$V_{DC, max}$ V	$I_{surge, max}$ (8/20 µs) A	W_{max} (2 ms) mJ
1206	B72520T0110K062	11	14	200	500
1210	B72530E0140K062	14	18	400	1500
1210	B72530T6500K062	50	65	1200	3000
1210	B72530T0600K062	60	85	200	2000
1812	B72580T0500K062	50	65	400	4500
2220	B72540E0300K062	30	38	1200	12000
2220	B72540T6300K062	30	38	5000	15000
2220	B72542V6300K062	30	38	6000	15000
2220	B72540E0400K062	40	56	1000	9000
2220	B72540T0500K062	50	65	800	5600
2220	B72540T6500K062	50	65	4500	15000
2220	B72540T6500S162	50	63	4500	15000
2220	B72542V6500S162	50	63	4500	15000
2220	B72542V6500K062	50	65	4500	15000
2220	B72540T0600K062	60	85	800	6800
2220	B72542V6600K062	60	85	4500	15000

Product range

Electrical specifications and ordering codes

EIA case size	Ordering code	$P_{diss, max}$ (2 ms) mW	V_V (1 mA) V	$V_{clamp, max}$ V	I_{clamp} (8/20 µs) A	C_{typ} (1 MHz, 1 V) pF
1206	B72520T0110K062	8	18	33	1	300
1210	B72530E0140K062	10	22	38	2.5	2000
1210	B72530T6500K062	10	82	135	2.5	1200
1210	B72530T0600K062	10	100	165	2.5	200
1812	B72580T0500K062	15	82	135	5	500
2220	B72540E0300K062	20	47	77	10	4000
2220	B72540T6300K062	20	47	77	10	10000
2220	B72542V6300K062	20	47	77	10	10000
2220	B72540E0400K062	20	68	110	10	2000
2220	B72540T0500K062	20	82	135	10	1000
2220	B72540T6500K062	20	82	135	10	3000
2220	B72540T6500S162	20	71 … 84	115	10	8800
2220	B72542V6500S162	20	77	130	10	5000
2220	B72542V6500K062	20	82	135	10	3000
2220	B72540T0600K062	20	100	165	10	800
2220	B72542V6600K062	20	100	165	10	3000

Edition 04/2017 · Ordering No. B72499H9999K199 · Printed in Germany · SO 0417.5