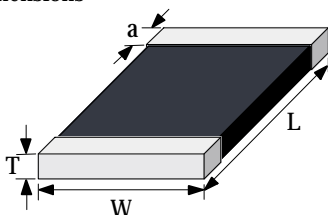


PolyDiode

0603 SMD D Series



Dimensions



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
T _{max.}	-	0.035	-	0.90
a	0.008	0.020	0.20	0.50
L	0.057	0.069	1.45	1.75
W	0.026	0.037	0.65	0.95

ESD、EFT、Surge Suppressor & EMI/RFI Filter

Features

- As JumboTek's electrical advantages and physical Advantages <For More> 2005.12.22
- Bidirectional clamping in a two pin device
- No polarity, suitable for uni- and bidirectional lines
- Adequate to replace a silicon TVS diode + EMC capacitor combination.
- Reducing board space and mounting cost
- Capable of withstanding numerous ESD strikes
- RoHS compliant

Applications examples

- Desktop and Note PC
- Mobile communication
- CD/MD/MP3 player
- LCD panel
- Touch panel
- Digital camera
- Button and switch unit
- Battery terminal
- Game machine
- Microphone/ receiver unit
- Audio-Video input-output terminal
- Portable handheld product (e.g. PDA)

WebLinks

Further infos see:

www.jumbotek.com

Further technical infos

Please E-mail: service@jumbotek.com

Specifications

Packaging

Tape and Reel

T 7 inch reel (4,000 pcs.)

Material

Body: Semiconducting Ceramic
Terminals: Ni/Sn plated (code "P")

Operating Temperature

-55 to +125°C

Solderability

acc. to IEC 60068-2-58

235°C, 2 sec.

Soldering Heat Resistance

260°C, 10 sec. (IEC 60068-2-58)

280°C, 5 sec. (IEC 60068-2-58)

Response Time

<0.5ns

Temperature coefficient (αV) of clamping voltage (V_c) @ specified test current

<0.01%/°C

Power dissipation

0.05W max.

Standards

IEC 61000-4-2

IEC 61000-4-3

IEC 61000-4-4

IEC 61000-4-5

Type	Maximum Ratings (125°C)				Specifications (25°C)				
	max. cont. working voltage		max. non-repetitive surge current (8/20 μ s)	Peak Power (max.Ipp) (W)	max. clamping voltage at Ipp (10/1000 μ s) (V@A)		Nominal voltage at 1mA (DC) test current		typ. capacitance 1MHz (pF)
	V _{M(DC)} (V)	V _{M(AC)} (V)	I _{TM} (A)		V _C	V _{N(DC)min.} (V)	V _{N(DC)max.} (V)	C _{typ.} (pF)	L _{typ.} (nH)
PD03S5R6D112PT	3.3	2.5	30	24	9.6@ 2.5	3.80	7.00	1100	1.0
PD03S6R2D102PT	3.3	2.5	30	24	9.6@ 2.5	3.80	7.00	1000	1.0
PD03S9R1D641PT	5.5	4.0	30	24	14.0@ 1.7	7.91	9.56	640	1.0
PD03S100D641PT	5.5	4.0	30	24	14.0@ 1.7	8.73	10.50	640	1.0
PD03S120D301PT	9.0	6.0	30	40	18.0@ 2.4	10.20	12.60	300	1.0
PD03S150D301PT	9.0	6.0	30	40	21.0@ 1.9	12.73	15.75	300	1.0
PD03S180D341PT	12.0	9.0	30	40	25.0@ 1.6	15.45	18.90	340	1.0
PD03S200D241PT	14.0	11.0	30	40	28.0@ 1.4	17.27	21.00	240	1.0
PD03S270D221PT	18.0	14.0	30	40	40.0@ 1.0	23.64	28.35	220	1.0
PD03S330D181PT	26.0	20.0	30	40	46.0@ 0.87	29.09	34.65	180	1.0

How to order

PD	03	S	5R6	D	112	P	T
Type code	Chip Size	Single Chip	Nominal voltage Breakdown	Diode-mode application	Capacitance Code	Termination Code	Packing Code
PolyDiode	03= EIA0603 05= EIA0805		Voltage at 1mA (DC)		112= 11×10 ² 641= 64×10 ¹ 301= 30×10 ¹	P: Electroplating by Ni/Sn	T: Tape&Reel B: Bulk