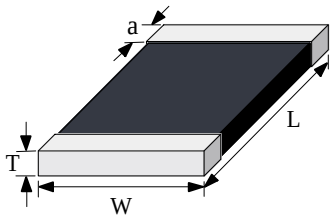
PolyDiode™ RoHS

JumboTek

PolyDiode
0805 SMD D Series

Dimensions



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
$T_{max.}$	-	0.047	-	1.20
a	0.006	0.026	0.15	0.65
L	0.071	0.087	1.80	2.20
W	0.043	0.055	1.10	1.40

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 (3,000 pcs.)

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

Operating Temperature
-55 to +125℃

Solderability
acc. to IEC 60068-2-58
235℃, 2 sec.

Soldering Heat Resistance
260℃, 10 sec. (IEC 60068-2-58)
280℃, 5 sec. (IEC 60068-2-58)

Response Time
<0.5ns

Temperature coefficient (αV) of clamping voltage (Vc) @ specified test current
<0.01%/ ℃

Power dissipation
0.10 W max.

Standards
IEC 61000-4-2
IEC 61000-4-3
IEC 61000-4-4
IEC 61000-4-5

Type	Maximum Ratings (125℃)					Specifications (25℃)			
	max. cont. working voltage		max. non-repetitive surge current (8/20 μs)	Peak Power (max.Ipp)	max. clamping voltage at Ipp (10/1000 μs)	Nominal voltage at 1mA (DC) test current		typ. capacitance 1MHz	max. inductance
	$V_{M(Dc)}$ (V)	$V_{M(AC)}$ (V)	I_{TM} (A)	(W)	V_C (V@A)	$V_{N(DC)min.}$ (V)	$V_{N(DC)max.}$ (V)	$C_{typ.}$ (pF)	$L_{typ.}$ (nH)
PD05S5R6D192PT	3.3	2.5	40	24	9.6@ 2.5	3.80	7.00	1900	1.0
PD05S6R2D182PT	3.3	2.5	40	24	9.6@ 2.5	3.80	7.00	1800	1.0
PD05S9R1D721PT	5.5	4.0	40	24	14.0@ 1.7	7.91	9.56	720	1.0
PD05S100D721PT	5.5	4.0	40	24	14.0@ 1.7	8.73	10.50	720	1.0
PD05S120D651PT	9.0	6.0	40	40	17.0@ 2.4	10.20	12.60	650	1.0
PD05S150D651PT	9.0	6.0	40	40	21.0@ 1.9	12.73	15.75	650	1.0
PD05S180D481PT	12.0	9.0	40	40	25.0@ 1.6	15.45	18.90	480	1.0
PD05S200D381PT	14.0	11.0	40	40	28.0@ 1.4	17.27	21.00	380	1.0
PD05S270D291PT	18.0	14.0	40	40	40.0@ 1.0	23.64	28.35	290	1.0
PD05S330D291PT	26.0	20.0	40	40	46.0@ 0.87	29.09	34.65	290	1.0

How to order

PD	05	S	5R6	D	192	P	T
Type code PolyDiode	Chip Size 03= EIA0603 05= EIA0805	Single Chip	Nominal voltage Breakdown Voltage at 1mA (DC)	Diode-mode application	Capacitance Code 192= $19x10^2$ 721= $72x10^1$ 651= $65x10^1$	Termination Code P: Electroplating by Ni/Sn	Packing Code T: Tape&Reel B: Bulk