

DIODE ARRAY PRODUCT SPECIFICATION

MONOLITHIC AIR ISOLATED DIODE ARRAY

FEATURES:

- HERMETIC CERAMIC PACKAGE
- $B_v > 60V$ at $10\mu A$
- $I_r < 100nA$ at $40V$
- $C < 4.0 pF$

Absolute Maximum Ratings:

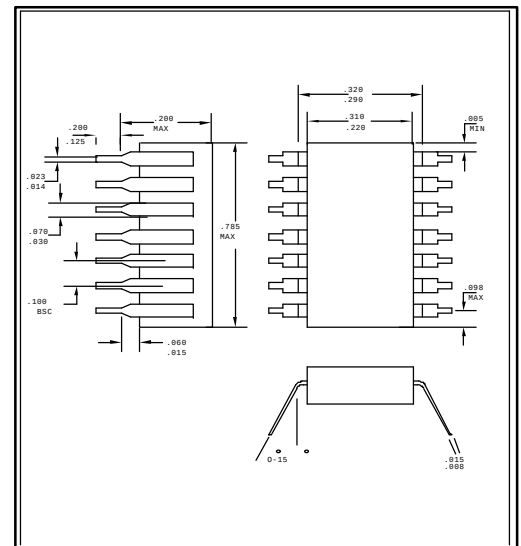
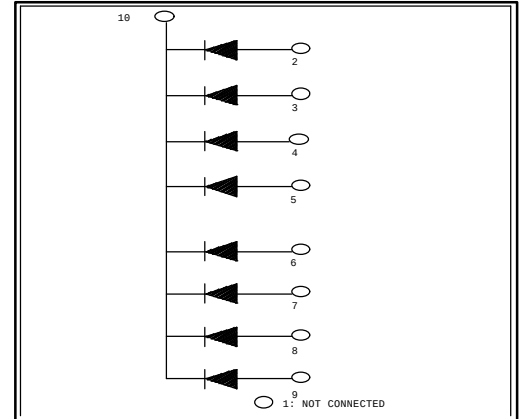
Symbol	Parameter	Limit	Unit
VBR(R)*1 *2	Reverse Breakdown Voltage	60	Vdc
IO *1 *3	Continuous Forward Current	300	mA _{dc}
IFSM *1	Peak Surge Current (tp= 1/120 s)	500	mA _{dc}
PT1 *4	Power Dissipation per Junction @ 25°C	400	mW
PT2 *4	Power Dissipation per Package @ 25°C	600	mW
Top	Operating Junction Temperature Range	-65 to +150	°C
Tstg	Storage Temperature Range	-65 to +200	°C

NOTE 1: Each Diode

NOTE 2: Pulsed: PW = 100ms max.; duty cycle $\leq$ 20%

NOTE 3: Derate at 2.4mA/°C above +25 °C

NOTE 4: Derate at 4.0mW/°C above +25 °C



Electrical Characteristics (Per Diode) @ 25°C unless otherwise specified

PACKAGE OUTLINE

Symbol	Parameter	Conditions	Min	Max	Unit
Vf1	Forward Voltage	If = 100mA *1		1	Vdc
Vf2	Forward Voltage	If = 500mA *1		1.5	Vdc
IR1	Reverse Current	VR = 40 Vdc		0.1	uAdc
Ct	Capacitance (pin to pin)	VR = 0Vdc ; f = 1 MHz		4.0	pF
tfr	Forward Recovery Time	If = 500mA		40	ns
trr	Reverse Recovery Time	If = IR = 200mA, irr = 20mA, RL = 100 ohms		20	ns

NOTE 1: Pulsed: PW = 300us +/- 50us, duty cycle ≤ 2%, 90us after leading edge

Sertech reserves the right to make changes to any product design, specification or other information at any time without prior notice.

Copyright © Each Manufacturing Company.

All Datasheets cannot be modified without permission.

This datasheet has been download from :

www.AllDataSheet.com

100% Free DataSheet Search Site.

Free Download.

No Register.

Fast Search System.

www.AllDataSheet.com