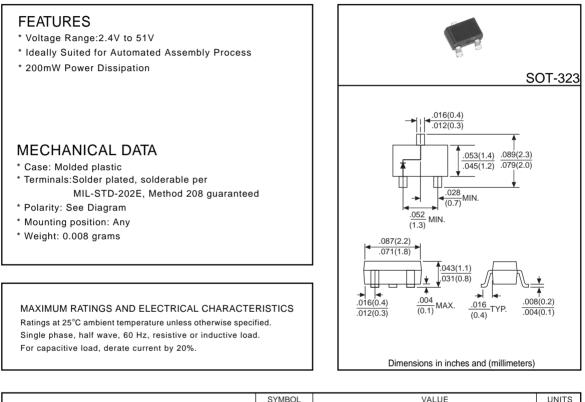
## DC COMPONENTS CO., LTD.

## **RECTIFIER SPECIALISTS**

BZX84C2V4W THRU BZX84C51W

## TECHNICAL SPECIFICATIONS OF SURFACE MOUNT ZENER DIODES



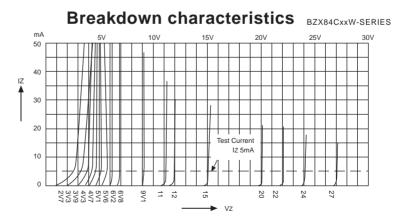
	SYMBOL	VALUE	UNITS
Zener Current see Table "Characteristics"			
Maximum Power Dissipation @TA=25°C	Ptot	200	mW
Maximum Forward Voltage @IF=10mA	VF	0.9	Volts
Typical Thermal Resistance	Reja	625	°C/W
Operating and Storage Temperature	TJ,Tstg	-55 to +150	°C

NOTE: Normal Tolerance ±5%

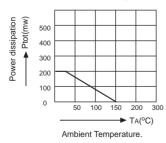
<b>RATING AND CHARACTERISTIC CURV</b>	ES (BZX84CxxW SERIES)
---------------------------------------	-----------------------

ТҮРЕ	Nominal Zener Voltage		Zener Test Current I <sub>ZT</sub>	Maximum Zener Impedance			Maximum Reverse Leakage Current	
	V <sub>Z</sub> @	V <sub>Z</sub> @ Ī <sub>ZT</sub>		Z <sub>ZT</sub> @ I <sub>ZT</sub>	Z <sub>ZK</sub> @ I <sub>ZK</sub>	I <sub>ZK</sub>	I <sub>R @</sub> V <sub>R</sub>	
	Min	Max	mA	Ohms	Ohms	mA	μA	Volts
BZX84C2V4W	2.2	2.6	5	100	600	1	50	1
BZX84C2V7W	2.5	2.9	5	100	600	1	20	1
BZX84C3V0W	2.5	3.2	5	95	600	1	10	1
BZX84C3V3W	3.1	3.5	5	95	600	1	5	1
BZX84C3V6W	3.4	3.8	5	90	600	1	5	1
BZX84C3V9W	3.7	4.1	5	90	600	1	3	1
BZX84C4V3W	4.0	4.6	5	90	600	1	3	1
BZX84C4V7W	4.4	5.0	5	80	500	1	3	2
BZX84C5V1W	4.8	5.4	5	60	480	1	2	2
BZX84C5V6W	5.2	6.0	5	40	400	1	1	2
BZX84C6V2W	5.8	6.6	5	10	150	1	3	4
BZX84C6V8W	6.4	7.2	5	15	80	1	2	4
BZX84C7V5W	7.0	7.9	5	15	80	1	1	5
BZX84C8V2W	7.7	8.7	5	15	80	1	0.7	5
BZX84C9V1W	8.5	9.6	5	15	100	1	0.5	6
BZX84C10W	9.4	10.6	5	20	150	1	0.2	7
BZX84C11W	10.4	11.6	5	20	150	1	0.1	8
BZX84C12W	11.4	12.7	5	25	150	1	0.1	8
BZX84C13W	12.4	14.1	5	30	170	1	0.1	8
BZX84C15W	13.8	15.6	5	30	200	1	0.1	10.5
BZX84C16W	15.3	17.1	5	40	200	1	0.1	11.2
BZX84C18W	16.8	19.1	5	45	225	1	0.1	12.6
BZX84C20W	18.8	21.2	5	55	225	1	0.1	14.0
BZX84C22W	20.8	23.3	5	55	250	1	0.1	15.4
BZX84C24W	22.8	25.6	5	70	250	1	0.1	16.8
BZX84C27W	25.1	28.9	2	80	300	0.5	0.1	18.9
BZX84C30W	28.0	32.0	2	80	300	0.5	0.1	21.0
BZX84C33W	31.0	35.0	2	80	325	0.5	0.1	23.1
BZX84C36W	34.0	38.0	2	90	350	0.5	0.1	25.2
BZX84C39W	37.0	41.0	2	130	350	0.5	0.1	27.3
BZX84C43W	40.0	46.0	2	150	375	0.5	0.1	30.1
BZX84C47W	44.0	50.0	2	170	375	0.5	0.1	32.9
BZX84C51W	48.0	54.0	2	180	400	0.5	0.1	35.7

NOTE: Standard Zener Voltage Tolerance ±5%



changes in the power dissipation due to the ambient temperature.



## Disclaimer

Any Customer or user of this document or products described herein in such applications shall assume all risks of such use and will agree to hold *DC COMPONENTS* are harmless against all damages.

*DC COMPONENTS* disclaims any and all liability arising out of the application or use of any product, including consequential or incidental damages. Statement regarding the suitability of products for certain types of applications are based on *DC COMPONENTS*'s knowledge of typical requirements that are often placed on *DC COMPONENTS* products in generic applications. Such statements are not binding statements about the suitability of products for aparticular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

*DC COMPONENTS* reserve the right to make modifications, enhancements, improvements, corrections or other changes without further notice to this document and any product described herein, and disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product. Parameters provided in datasheets and specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. Product specifications do not expand or otherwise modify *DC COMPONENTS*'s terms and conditions of purchase, including but not limited to the warranty expressed therein.

Unless otherwise in writing, *DC COMPONENTS* products are intended for use as general electronic components in standard applications (eg: Consumer electronic, Computer equipment, Office equipment, etc.), and not recommended for use in a high specific application where a failure or malfunction of the device could result in human injury or death (eg: Aerospace equipment, Submarine cables, Combustion equipment, Safety devices, Life support systems, etc.)

Customers using or selling *DC COMPONENTS* products not expressly indicated for use in such applications do so at their own risk. If customer intended to use *DC COMPONENTS* standard quality grade devices for applications not envisioned by *DC COMPONENTS*, please contact our sales representatives in advance.

