



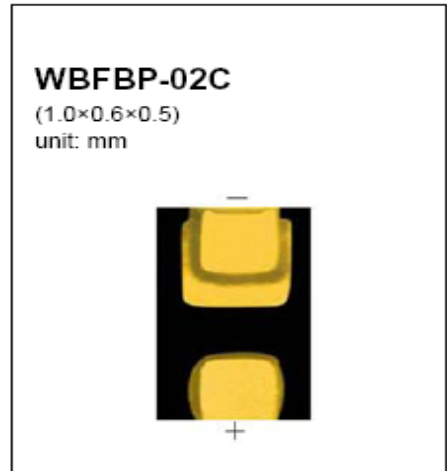
WBFBP-02C Plastic-Encapsulate Diodes

DW52C2V4LED02-DW52C39LED02

ZENER DIODE

FEATURES

- Ultra-Small Leadless Surface Mount Package
- Ideally Suited for Automated Assembly Processes



Maximum Ratings (T_a=25°C unless otherwise specified)

Characteristic	Symbol	Value	Unit
Forward Voltage (Note 1) @I _F =10mA	V _F	0.9	V
Power Dissipation	P _D	100	mW
Thermal Resistance, Junction to Ambient Air	R _{θJA}	1250	°C/W
Operating and Storage Temperature Range	T _J ,T _{STG}	-65 ~ +150	°C

Notes:

- 1.Short duration pulse test used to minimize self-heating effect.

Electrical Characteristics (T_a= 25°C unless otherwise specified)

Type Number	Marking Code	Zener Voltage Range (Note1)				Maximum Zener Impedance (Note 2)			Maximum Reverse Current (Note1)		Typical Temperature Coefficient @I _{ZTC}		Test Current
		V _Z @I _{ZT}			I _{ZT}	Z _{ZT} @I _{ZT}	Z _{ZK} @I _{ZK}	I _{ZK}	I _R	V _R	mV/°C		I _{ZTC}
		Nom(V)	Min(V)	Max(V)	mA	Ω		mA	uA	V	Min	Max	mA
DW52C2V4LED02	WX	2.4	2.2	2.6	5	100	600	1.0	50	1.0	-3.5	0	5
DW52C2V7LED02	W1	2.7	2.5	2.9	5	100	600	1.0	20	1.0	-3.5	0	5
DW52C3V0LED02	W2	3.0	2.8	3.2	5	95	600	1.0	10	1.0	-3.5	0	5
DW52C3V3LED02	W3	3.3	3.1	3.5	5	95	600	1.0	5	1.0	-3.5	0	5
DW52C3V6LED02	W4	3.6	3.4	3.8	5	90	600	1.0	5	1.0	-3.5	0	5
DW52C3V9LED02	W5	3.9	3.7	4.10	5	90	600	1.0	3	1.0	-3.5	0	5
DW52C4V3 LED02	W6	4.3	4.0	4.6	5	90	600	1.0	3	1.0	-3.5	0	5
DW52C4V7 LED02	W7	4.7	4.4	5.0	5	80	500	1.0	3	2.0	-3.5	0.2	5
DW52C5V1 LED02	9Y	5.1	4.8	5.4	5	60	480	1.0	2	2.0	-2.7	1.2	5
DW52C5V6 LED02	9A	5.6	5.2	6.0	5	40	400	1.0	1	2.0	-2.0	2.5	5
DW52C6V2 LED02	9B	6.2	5.8	6.6	5	10	150	1.0	3	4.0	0.4	3.7	5
DW52C6V8 LED02	9C	6.8	6.4	7.2	5	15	80	1.0	2	4.0	1.2	4.5	5
DW52C7V5 LED02	9D	7.5	7.0	7.9	5	15	80	1.0	1	5.0	2.5	5.3	5
DW52C8V2 LED02	9E	8.2	7.7	8.7	5	15	80	1.0	0.7	5.0	3.2	6.2	5
DW52C9V1 LED02	9F	9.1	8.5	9.6	5	15	100	1.0	0.5	6.0	3.8	7.0	5
DW52C10 LED02	9G	10	9.4	10.60	5	20	150	1.0	0.2	7.0	4.5	8.0	5
DW52C11 LED02	9H	11	10.4	11.6	5	20	150	1.0	0.1	8.0	5.4	9.0	5
DW52C12 LED02	9J	12	11.40	12.70	5	25	150	1.0	0.1	8.0	6.0	10.0	5
DW52C13 LED02	9K	13	12.4	14.1	5	30	170	1.0	0.1	8.0	7.0	11.0	5
DW52C15 LED02	9L	15	13.8	15.6	5	30	200	1.0	0.1	10.5	9.2	13.0	5
DW52C16 LED02	9M	16	15.30	17.1	5	40	200	1.0	0.1	11.2	10.4	14.0	5
DW52C18 LED02	9N	18	16.8	19.1	5	45	225	1.0	0.1	12.6	12.4	16.0	5
DW52C20 LED02	9P	20	18.8	21.20	5	55	225	1.0	0.1	14.0	14.4	18.0	5
DW52C22 LED02	9R	22	20.8	23.30	5	55	250	1.0	0.1	15.4	16.4	20.0	5
DW52C24 LED02	9S	24	22.80	25.60	5	70	250	1.0	0.1	16.8	18.4	22.0	5
DW52C36 LED02	9W	36	34.0	38	2	90	350	0.5	0.1	25.2	36.5	45.5	5
DW52C39 LED02	9X	39	37.0	41	2	130	350	0.5	0.1	27.3	36.8	49.8	5

Notes:

- 1.Short duration pulse test used to minimize self-heating effect.
- 2.f=1MHz