

■ **Features:**

- Very sharp reverse characteristic
- Low reverse current level
- Very high stability
- Low noise
- Available with tighter tolerances

■ **Applications**

- Voltage stabilization

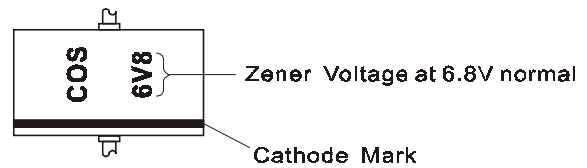
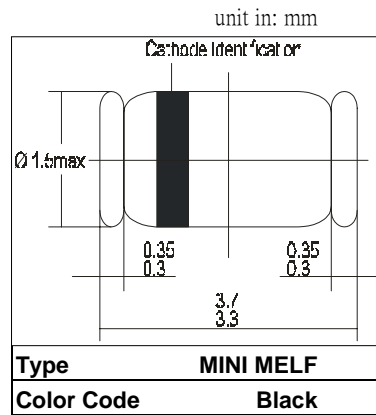
■ **Absolute Maximum Rating**

T_j=25°C

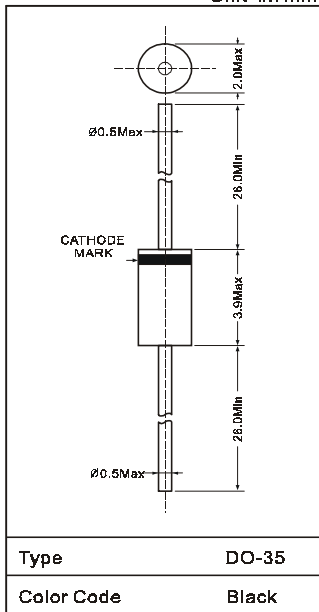
Parameter	Symbol	Value	Unit
Power dissipation	P	500	mW
Junction temperature	T _J	175	°C
Storage temperature range	T _{stg}	-65~+175	°C

■ **Marking**

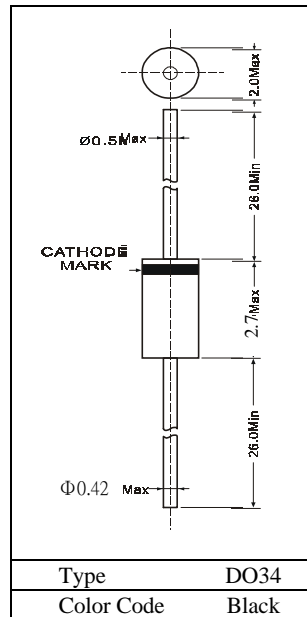
- Example:



Unit in: mm



Unit in : mm



ELECTRICAL CHARACTERISTICS (Ta=25°C)

Type	zener Voltage at IZ=5mA Vz(v)	Dynamic resistance		Temp coeff of Zener volf. at IZ=5mA AVz(%/°C)	Reverse Current at Vr Ta=25°C IR(μA)		Admissible Zener current Iz(mA)		
		at IZ=5mA f=1KHz Rzj(Ω)	at IZ=0.5mA f=1KHz Rzj(Ω)		MAX.	MAX.		MAX.	VR(v)=
		MAX.	MIN.	MAX.	MAX.	Typ	MAX.	MAX.	
BZX55C2V0	ZMM2V0	2.10	1.90	100	1000	-0.075	120	0.5	165
BZX55C2V2	ZMM2V2	2.31	2.09	100	1000	-0.075	120	0.7	155
BZX55C2V4	ZMM2V4	2.52	2.28	100	1000	-0.070	120	1.0	145
BZX55C2V7	ZMM2V7	2.83	2.57	110	1000	-0.070	100	1.0	135
BZX55C3V0	ZMM3V0	3.15	2.85	120	1000	-0.070	50	1.0	130
BZX55C3V3	ZMM3V3	3.46	3.14	120	1000	-0.065	20	1.0	120
BZX55C3V6	ZMM3V6	3.78	3.42	120	1100	-0.055	10	1.0	110
BZX55C3V9	ZMM3V9	4.09	3.71	120	1200	-0.035	5	1.0	100
BZX55C4V3	ZMM4V3	4.51	4.09	120	1200	-0.030	5	1.0	90
BZX55C4V7	ZMM4V7	4.93	4.47	100	1200	-0.020	5	1.0	85
BZX55C5V1	ZMM5V1	5.35	4.85	70	1200	±0.010	5	1.5	78
BZX55C5V6	ZMM5V6	5.88	5.32	40	900	0.035	5	2.5	70
BZX55C6V2	ZMM6V2	6.51	5.89	30	500	0.035	5	3.0	64
BZX55C6V8	ZMM6V8	7.14	6.46	25	150	0.040	2	3.5	58
BZX55C7V5	ZMM7V5	7.87	7.13	25	120	0.052	0.5	4.0	53
BZX55C8V2	ZMM8V2	8.61	7.79	20	120	0.055	0.5	5.0	48
BZX55C9V1	ZMM9V1	9.55	8.65	20	120	0.055	0.5	6.0	43
BZX55C10V	ZMM10V	10.50	9.50	20	120	0.060	0.2	7.0	40
BZX55C11V	ZMM11V	11.55	10.45	20	120	0.060	0.2	8.0	36
BZX55C12V	ZMM12V	12.60	11.40	25	110	0.065	0.2	9.0	33
BZX55C13V	ZMM13V	13.65	12.35	25	110	0.065	0.2	10.0	30
BZX55C15V	ZMM15V	15.75	14.25	25	110	0.070	0.2	11.0	26
BZX55C16V	ZMM16V	16.80	15.20	25	150	0.070	0.2	12.0	25
BZX55C18V	ZMM18V	18.90	17.10	30	150	0.075	0.2	13.0	22
BZX55C20V	ZMM20V	21.00	19.00	30	200	0.080	0.2	15.0	20
BZX55C22V	ZMM22V	23.10	20.90	30	200	0.080	0.2	17.0	18
BZX55C24V	ZMM24V	25.20	22.80	35	200	0.085	0.2	19.0	16
BZX55C27V	ZMM27V	28.35	25.65	45	250	0.090	0.2	21.0	14
BZX55C30V	ZMM30V	31.50	28.50	55	250	0.092	0.2	23.0	13
BZX55C33V	ZMM33V	34.65	31.35	65	250	0.092	0.2	25.0	12
BZX55C36V	ZMM36V	37.80	34.20	75	250	0.095	0.2	27.0	11
BZX55C39V	ZMM39V	40.90	37.05	85	250	0.095	0.2	30.0	10

Note:

1. Zener Voltage is measured 40ms after electricity charging .
2. Data valid provided that leads are kept at ambient temperature at a distance of 8mm from case
VF=1V MAX (at 1F=100mA)
3. Special Voltage accuracy will be provided upon request at different pricing .

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