

Zener diode

FTZ6.8E

●Applications

Constant voltage control

Noise suppression on signal line

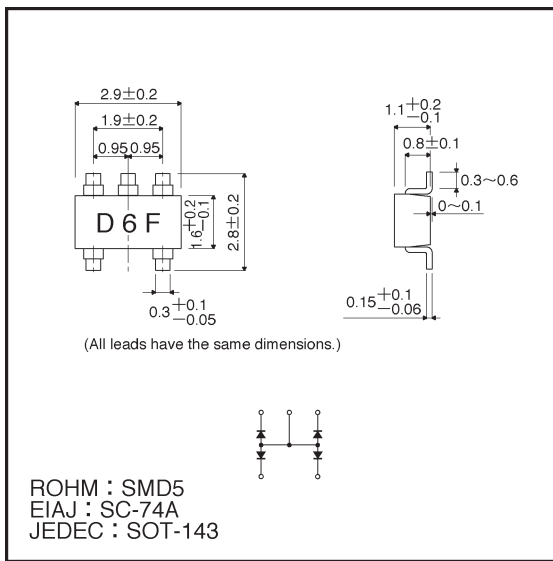
●Features

- 1) Small surface mounting type.(SMD5)
- 2) High reliability.
- 3) Multiple diodes with common anode configuration.

●Construction

Silicon epitaxial planar

●External dimensions (Units: mm)



●Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Limits	Unit
Power dissipation	P*	200	mW
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55~+125	°C

* Total of 4 elements

●Electrical characteristics (Ta = 25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	Vz	6.47	6.80	7.14	V	Iz=5mA
Reverse current	IR	—	—	0.5	μA	VR=3.5V
Operating resistance	Zz	—	—	40	Ω	Iz=5mA
Rising operating resistance	Zzk	—	—	60	Ω	Iz=0.5mA

●High voltage performance

Item	Standard 1	IEC - 801
Device configuration	Charge/discharge capacitance : 200 pF ± 10% Discharge resistance : 400 Ω ± 10%	Charge/discharge capacitance : 150 pF Discharge resistance : 330 Ω
Judgment contents	5 repetitions No spark or smoke emitted : ±25 kV No element destruction : ±20 kV No malfunction : ± 8 kV	10 repetitions No malfunction Contact : ± 8 kV Suspended : ± 15 kV

●Electrical characteristic curve (Ta = 25°C unless specified otherwise)

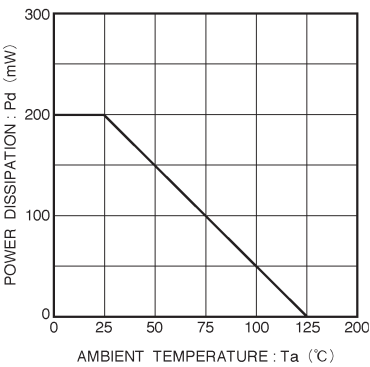


Fig. 1 Derating curve