Zener diode FTZ6.8E

Applications

Noise suppression on single line Constant voltage control

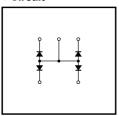
Features

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

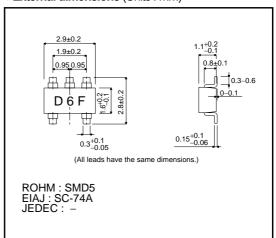
Construction

Silicon epitaxial planar

●Circuit



●External dimensions (Units : mm)



● Absolute maximum ratings (Ta=25°C)

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

^{*} Total of 4 elements

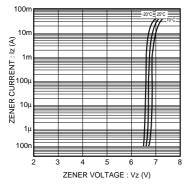
●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Zener voltage	Vz	6.47	_	7.14	V	Iz=5mA
Reverse current	lr	-	-	0.5	μΑ	V _R =3.5V
Operating resistance	Zz	-	-	40	Ω	Iz=5mA
Rising operating resistance	Z zĸ	-	-	60	Ω	Iz=0.5mA

●Others

Item	Standard 1	IEC1000-4-2
Device configuration	Charge/discharge capacitance : 200 pF \pm 10% Discharge resistance : 400 Ω \pm 10%	
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 curves (Ta=25°C)



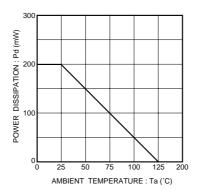


Fig.1 Zener characteristics

Fig.2 Derating curve

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