Zener diode

FTZ5.6E

Applications

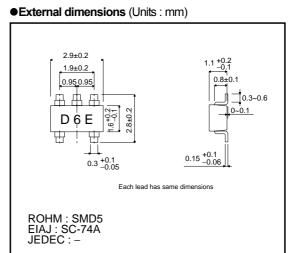
Constant voltage control Noise suppression on signal line

Features

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

Construction

Silicon epitaxial planar



•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

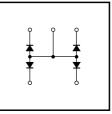
•Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Zener voltage	Vz	5.31	-	5.92	V	Iz=5mA
Reverse current	IR	-	-	1	μA	VR=2.5V
Operating resistance	Zz	-	-	60	Ω	Iz=5mA
Rising operating resistance	Zzĸ	-	-	200	Ω	Iz=0.5mA

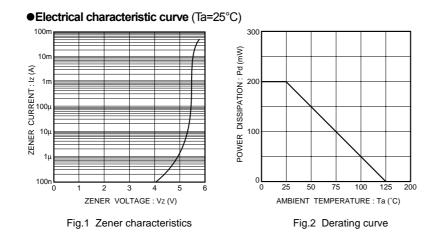
Others

Parameter	IEC61000-4-2				
Device configuration	·Charge / discharge capacitance : 150pF				
Device configuration	 Discharge resistance 	: 330Ω			
Judgment contents	-10 repetitions				
	No malfunction				
	·Contact	: ±8kV			
	Suspended	: ±15kV			

Equivalent circuit



Diodes



ROHM

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