Ordering number : EN715D

SANYO No.715D

DS446

Silicon Epitaxial Planar Type
Temperature Compensation Use

Very High-Speed Switching Diode

Features

- Glass sleeve structure
- Power dissipation : P = 300mW max.
- Interterminal capacitance : C = 3.0pF max.
- Reverse recovery time : t_{rr} = 4.0ns max.

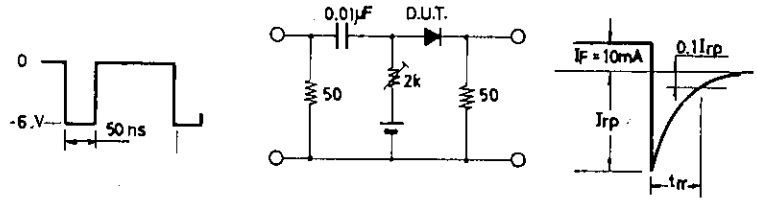
Absolute Maximum Ratings at Ta = 25°C

				unit
Peak Reverse Voltage	V_{RM}		−105	V
Reverse Voltage	V_R		−100	V
Peak Forward Current	I_{FM}		500	mA
Average Rectified Current	I_O		200	mA
Surge Forward Current	I_{FSM}	1 s pulse	700	mA
Power Dissipation	P		300	mW
Junction Temperature	Tj		175	°C
Storage Temperature	Tstg		−65 to +175	°C

Electrical Characteristics at Ta = 25°C

			min	typ	max	unit
Forward Voltage	V_F	I_F = 1.5mA	0.55		0.65	V
Reverse Current	I_R	V_R = −100V			−0.1	μA
Interterminal Capacitance	C	V_R = 0V, f = 1MHz		1.5	3.0	pF
Reverse Recovery Time	t_{rr}	V_R = −6V, I_F = 10mA, R_L = 50Ω		2.0	4.0	ns

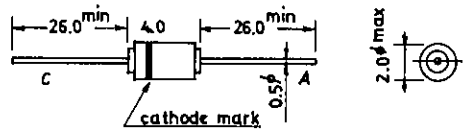
Reverse Recovery Time Test Circuit



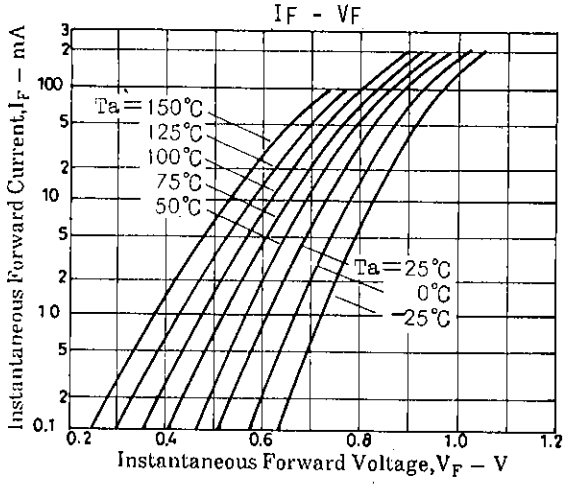
Unit (resistance: Ω)

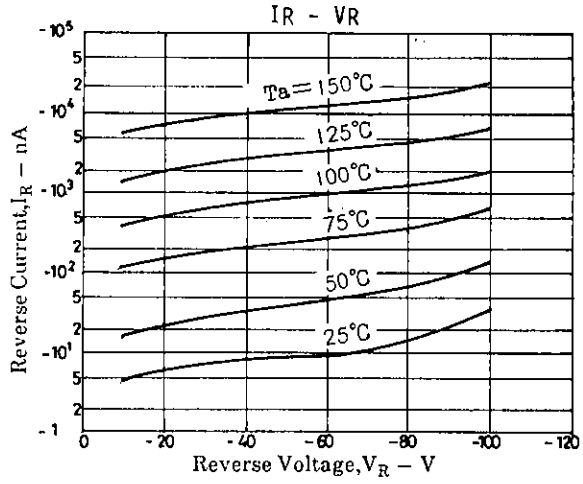
Package Dimensions 1080

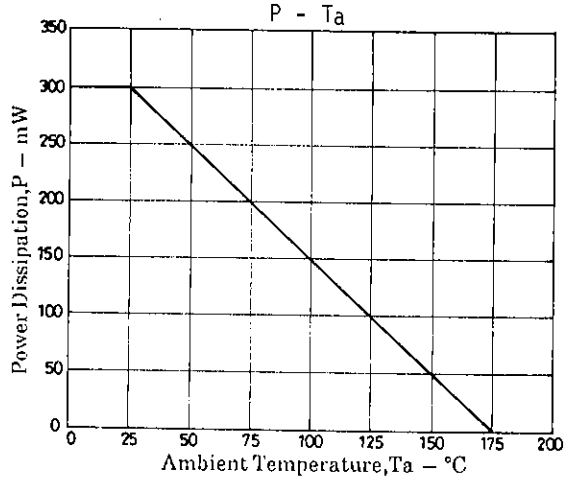
(unit: mm)



C: Cathode
A: Anode







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