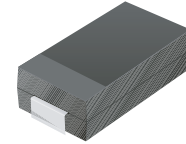




CEFA201-G Thru CEFA203-G (RoHS Device)

Reverse Voltage: 50 ~ 200 Volts

Forward Current: 2.0 Amp

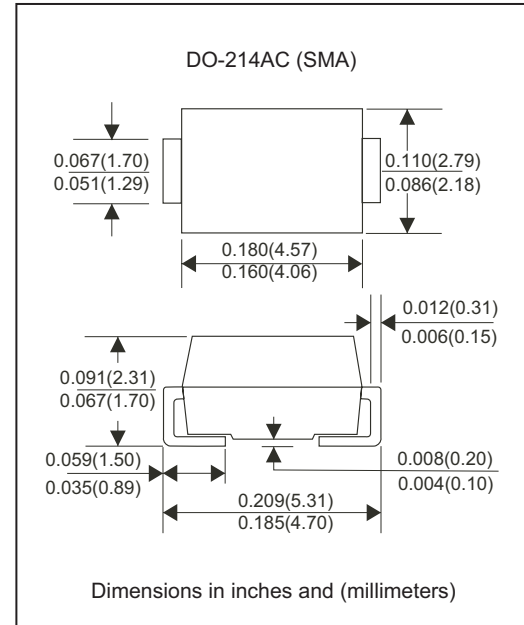


Features:

- Ideal for surface mount applications
- Easy pick and place
- Plastic package has Underwriters Lab. flammability classification 94V-0.
- Super fast recovery time for high efficient
- Built-in strain relief
- Low forward voltage drop

Mechanical Data:

- Case: JEDEC DO-214AC molded plastic
- Terminals: solderable per MIL-STD-750, method 2026
- Polarity: Color band denotes cathode end
- Approx. Weight: 0.063 gram



Maximum Ratings and Electrical Characteristics:

Parameter	Symbol	CEFA201-G	CEFA202-G	CEFA203-G	Unit
Max. Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	V
Max. DC Blocking Voltage	V_{DC}	50	100	200	V
Max. RMS Voltage	V_{RMS}	35	75	140	V
Peak Surge Forward Current 8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I_{FSM}	50			A
Max. Average Forward Current	I_o	2.0			A
Max. Instantaneous Forward Voltage at 2.0A	V_F	0.92			V
Reverse recovery time	T_{rr}	25			nS
Max. DC Reverse Current at Rated DC Blocking Voltage $T_a=25^{\circ}C$ $T_a=100^{\circ}C$	I_R	5.0 100			μA
Max. Thermal Resistance (Note1)	$R_{\theta JL}$	25			$^{\circ}C/W$
Max. Operating Junction Temperature	T_j	150			$^{\circ}C$
Storage Temperature	T_{STG}	-55 to +150			$^{\circ}C$

Note1: Thermal resistance from junction to lead mounted on PCB with 8.0mmx8.0mm² copper pad areas.



Rating and Characteristic Curves (CEFA201-G Thru CEFA203-G)

Fig.1 - Reverse Characteristics

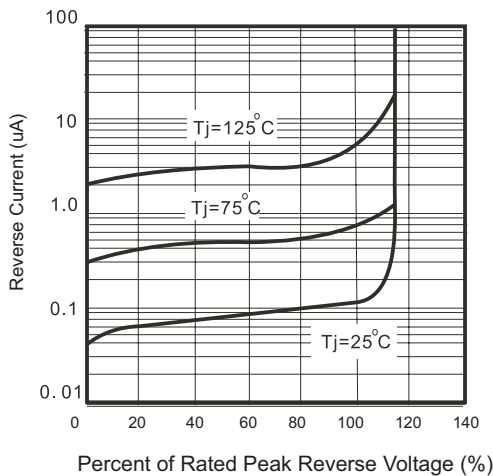


Fig.2 - Forward Characteristics

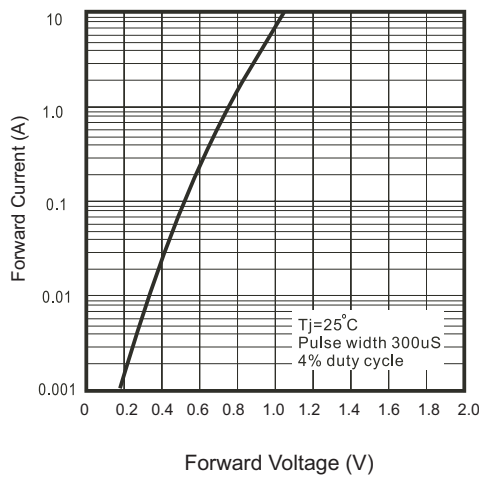


Fig. 3 - Current Derating Curve

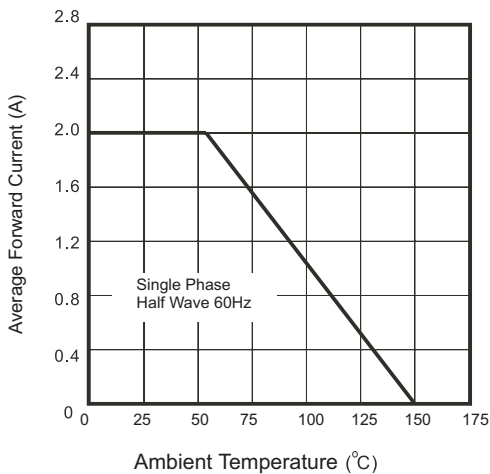


Fig. 4 - Non Repetitive Forward Surge Current

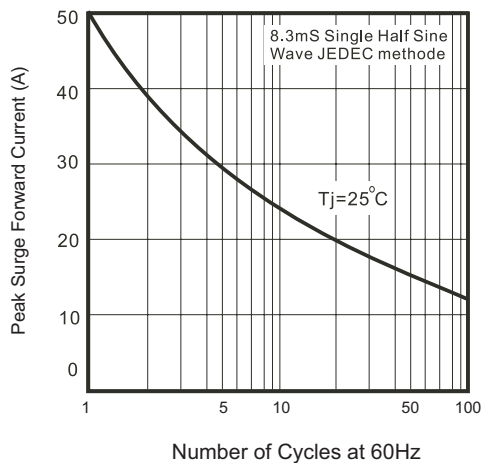
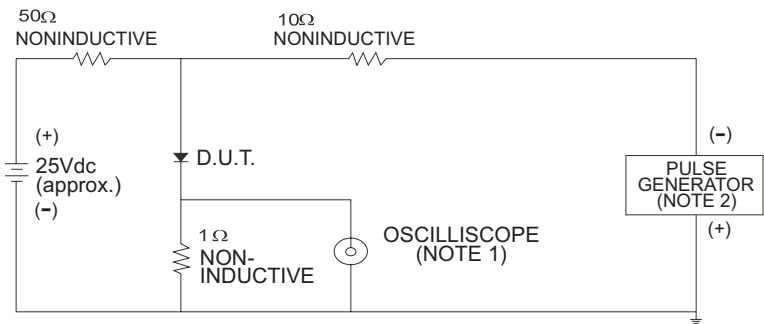


Fig. 5 - Test Circuit Diagram and Reverse Recovery Time Characteristics



Notes: 1. Rise Time = 7ns max., Input Impedance = 1 megohm .22pF.
2. Rise Time = 10ns max., Source Impedance = 50 ohms.

