# Thermal Characteristics(1)

Symbol	Parameter	Value	Units
P <sub>D</sub>	Power Dissipation	1.3	W
$R_{\theta JA}$	Thermal Resistance, Junction to Ambient <sup>(1)</sup>	75	°C/W

## Note:

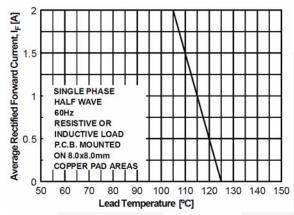
1. Device mounted on FE-4 PCB 0.013 mm.

# **Electrical Characteristics**

Values are at  $T_A = 25$ °C unless otherwise noted.

Symbol	Parameter	Test	Value							I India		
		Conditions	SS22	SS23	SS	24	SS25	SS26	SS28	SS29	S210	Units
V <sub>F</sub>	Forward Voltage	I <sub>F</sub> = 2.0 A		500			700		850			mV
Reverse Current		T <sub>A</sub> = 25°C	0.4					mA				
<sup>I</sup> R	at Rated V <sub>R</sub>	T <sub>A</sub> = 100°C					1	0				

# **Typical Performance Characteristics**



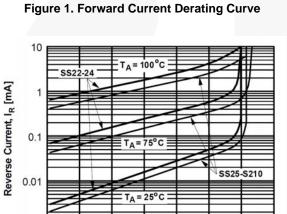


Figure 3. Reverse Current vs. Reverse Voltage

60

Reverse Voltage, V<sub>R</sub>[V]

100

120

140

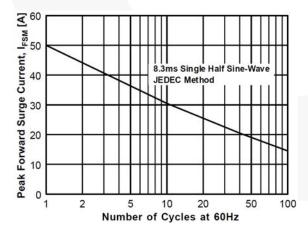


Figure 5. Non-Repetitive Surge Current

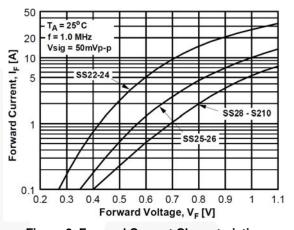


Figure 2. Forward Current Characteristics

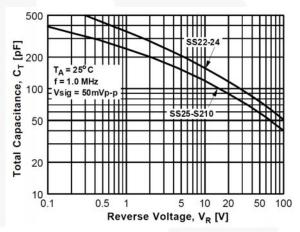


Figure 4. Total Capacitance

0.001

# **Physical Dimension**

# **DO-214AA**

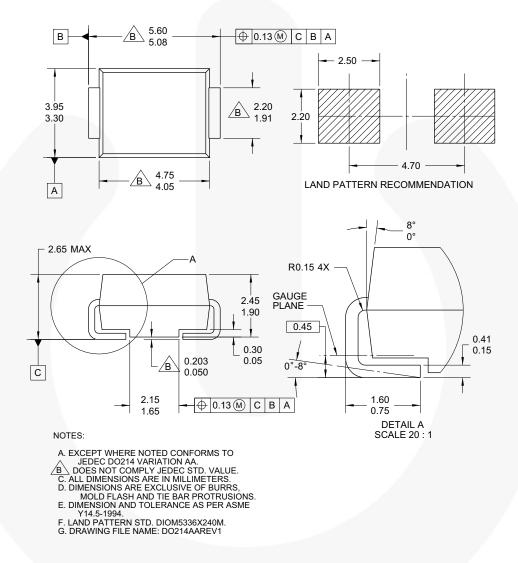


Figure 6. 2-LEAD, SMB, JEDEC DO-214, VARIATION AA (ACTIVE)

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