

High Voltage Diodes - Surface Mount

Original Released: 05-21-15

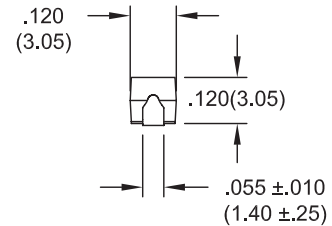
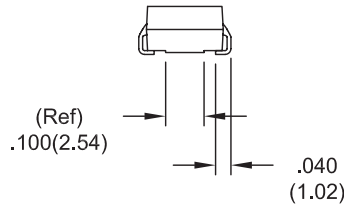
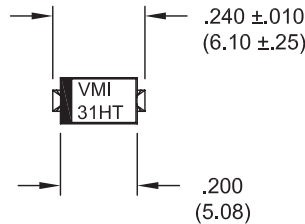
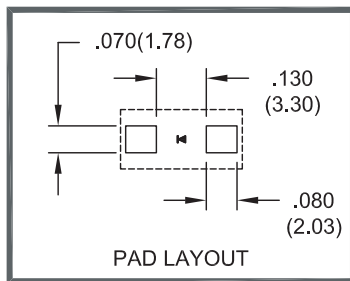
0.10A • 70ns

ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

| Part Number | Working Reverse Voltage | Average Rectified Current | | Reverse Current @ Vrwm | | Forward Voltage | | 1 Cycle Surge Current tp=8.3ms | Repetitive Surge Current | Reverse Recovery Time (3) | Thermal Impd. θ_{J-L} | Junction Cap. @ 50VDC @ 1kHz |
|-------------|-------------------------|---------------------------|----------|------------------------|---------|-----------------|--------|-----------------------------------|--------------------------|---------------------------|---------------------------------|---------------------------------|
| | | | | (Ir) | | | | | | | | |
| | (Vrwm) | (Io) | | (Vrwm) | 1.5 kV | (Vf) | (Ifsm) | (Ifrm) | (Trr) | 25°C | (Cj) | |
| | | 55°C(1) | 100°C(2) | 25°C | 100°C | 25°C | 25°C | 25°C | 25°C | 25°C | 25°C | 25°C |
| | Volts | Amps | Amps | μ A | μ A | Volts | Amps | Amps | Amps | ns | °C/W | pF |
| SMF6531HT | 3000 | 0.100 | 0.050 | 0.1 | 10.0 | 7.0 | 0.025 | 8.0 | 1.25 | 70 | 20 | 2.0 |

(1)TL=55°C (2)TL=100°C (3)If=12.5mA, Ir=25.0mA, Irr=6.3mA *Op.Temp. -65°C to +175°C Stg.Temp. -65°C to +200°C

Tolerance:
.XXX ±.005(.13)



Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.



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