# **MODEL 627 V100**

Designed For Pentium® Power Supply Surface Mount Resistor Networks



#### APPLICATION

• Designed for P54C, P54C-VR and P54C-VRE Pentium<sup>®</sup> Processors when used in conjunction with Linear Technology Models LT 1266/1267 or LT 1584/1585 voltage regulator IC's.

## ELECTRICAL

Standard Resistance Tolerance, at 25°C	±2%
Operating Temperature Range	-55°C to +125°C
Temperature Coefficient of Resistance	±100ppm/°C
Temperature Coefficient of Resistance Tracking	50ppm/°C
Voltage Coefficient of Resistance	±100ppm/V
Maximum Operating Voltage	25Vdc
Insulation Resistance, Minimum	10,000 Megohms

## ENVIRONMENTAL (PER MIL-R-83401)

ΔR 0.70%	
ΔR 0.25%	
ΔR 0.50%	
∆R 0.25%	
ΔR 0.25%	
ΔR 0.25%	
ΔR 0.50%	
ΔR 0.50%	
ΔR 0.25%	
200V for 1 minute	
215°C for 3 minutes	
MIL-STD-202, Method 215	
MIL-STD-202, Method 208	
UL-94V-0 Rated	
-55°C to +150°C	

Specifications subject to change without notice. Pentium<sup>®</sup> is a registered trademark of Intel Corporation.



4

Copper Alloy, 60/40 Tin-Lead (Dipped)
Gull Wing
±0.002 in. (0.057mm)
Alumina
Cermet
Ероху



#### POWER DERATING CURVE



#### POWER DISSIPATION, WATTS @ 70°C

Model	Package	Per Resistor
627 V100	0.625	0.125





# PART MARKING



**Bi** technologies



