15003 ( ), 15004 ( )

The MJ15003 and MJ15004 are power transistors designed for high power audio, disk head positioners and other linear applications.

Features

- High Safe Operating Area
- For Low Distortion Complementary Designs
- High DC Current Gain
- These Devices are Pb−Free and are RoHS Compliant*

MAXIMUM RATINGS

Rating	Symbol	Value	Unit
−			
−			
−			
−			
−			
−			

THERMAL CHARACTERISTICS

Characteristic	Symbol	Max	Unit
− −	θ		
≤			

ELECTRICAL CHARACTERISTICS

Characteristic	Symbol	Min	Max	Unit
OFF CHARACTERISTICS				
			–	

TYPICAL CHARACTERISTICS MJ15003G (NPN)

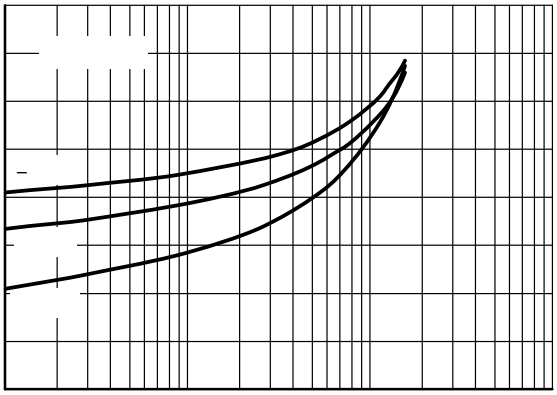


Figure 3. Base Emitter Saturation Voltage

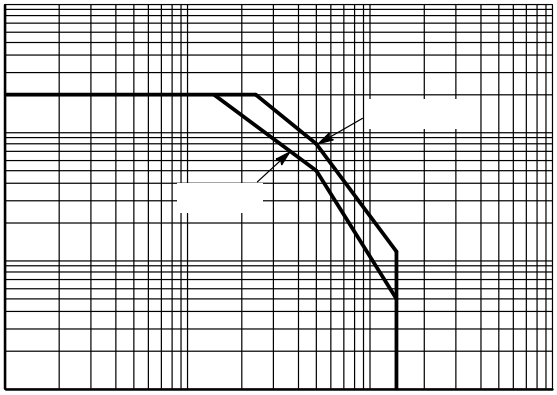


Figure 4. Safe Operating Area

TYPICAL CHARACTERISTICS MJ15004G (PNP)

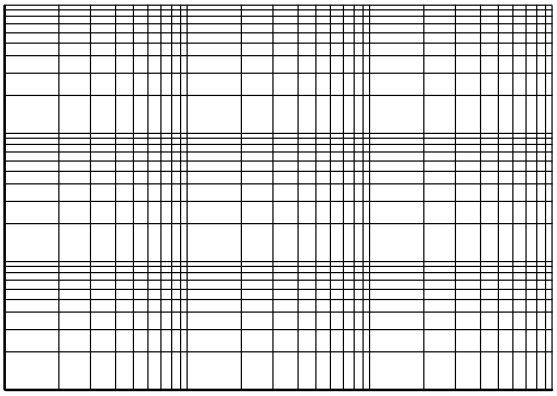


Figure 5. DC Current Gain

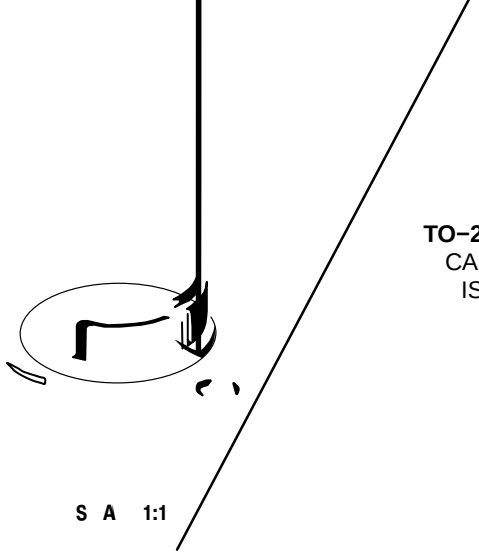
Figure 6. Collector Emitter Saturation Voltage

Figure 7. Base Emitter Saturation Voltage

Figure 8. Safe Operating Area

TO−204 (TO−3)
CASE 1−07
ISSUE Z

DATE 10 MAR 2000



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