

BU808DFX

HIGH VOLTAGE FAST-SWITCHING NPN POWER DARLINGTON TRANSISTOR



DESCRIPTION

The BU808DFX is a NPN transistor in monolithic Darlington configuration. It is manufactured using Multi-epitaxial Mesa technology for cost-effective high performance.

Reference Data

| Symbol | Parameter | Value | Unit |
|------------|--|------------|------------------|
| V_{CBO} | Collector-Base Voltage ($I_E = 0$) | 1400 | V |
| V_{CEO} | Collector-Emitter Voltage ($I_B = 0$) | 700 | V |
| V_{EBO} | Emitter-Base Voltage ($I_C = 0$) | 5 | V |
| I_C | Collector Current | 8 | A |
| I_{CM} | Collector Peak Current ($t_p < 5$ ms) | 10 | A |
| I_B | Base Current | 3 | A |
| I_{BM} | Base Peak Current ($t_p < 5$ ms) | 6 | A |
| P_{tot} | Total Dissipation at $T_c = 25^\circ\text{C}$ | 62 | W |
| V_{isol} | Insulation Withstand Voltage (RMS) from All Three Leads to External Heatsink | 2500 | V |
| T_{stg} | Storage Temperature | -65 to 150 | $^\circ\text{C}$ |
| T_j | Max. Operating Junction Temperature | 150 | $^\circ\text{C}$ |

Ordering Number
BU808DFX-LF
Package
TO-3PF(IS)



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