| Parameter | | Symbol | Typ | Max | Unit |
|---|---|---|---|---|---|
| Maximum junction-to-ambient [a] | ≤ 5 s | $R_{\theta JA}$ | 120 | 145 | /W |
| | Steady-State | | 140 | 175 | |
| Maximum junction-to-foot | Steady-State | $R_{\theta JC}$ | 62 | 78 | |

**Notes**

a. Surface mounted on 1" x 1" FR4 board

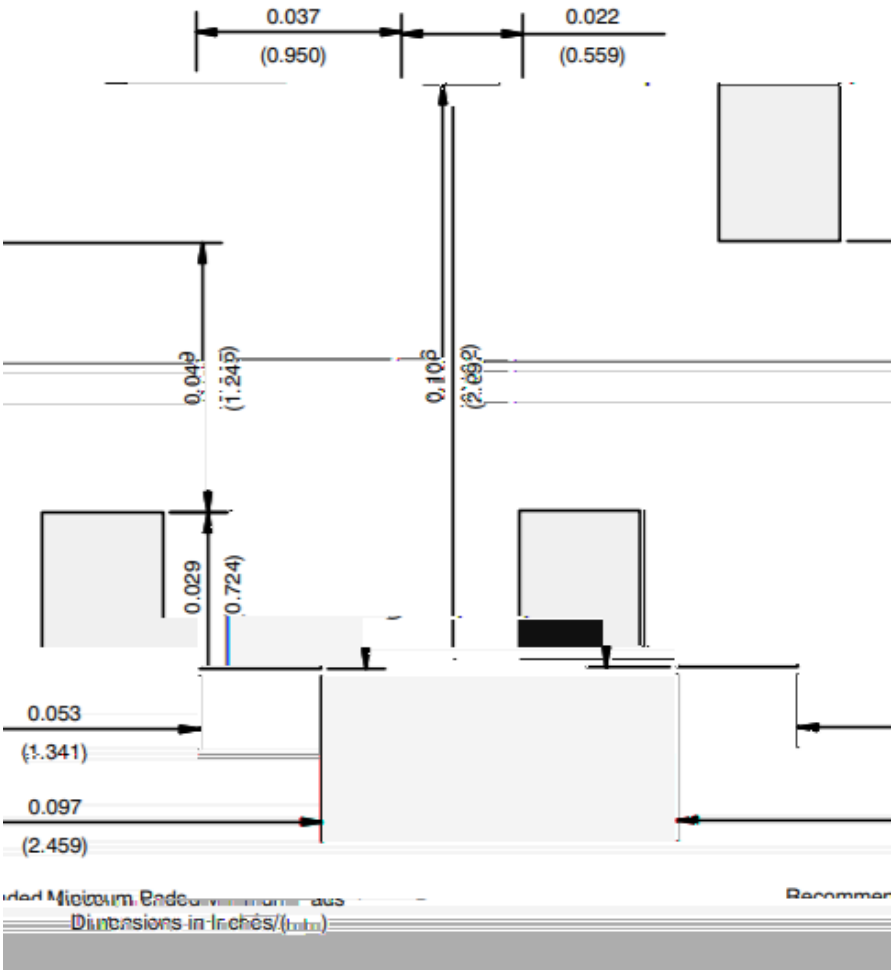
b. Pulse width limited by maximum junction temperature

($T_A$=25 unless otherwise noted)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | dI/dt=100A/ms | | | | | |
| Body Diode Reverse Recovery Charge | Qrr | IF=-9.8(s)]TJ ET EM41 Q /P <</La1.58 74 <</MC 1.720 >>BDC 286.8 | | | | | |



d86(100A)-5(/)16.998(m)-6.998(s)]TJETEM34=


0.037
(0.950)
0.022
(0.559)
0.049
(1.245)
0.106
(2.692)
0.029
(0.724)
0.053
(1.341)
0.097
(2.459)
Dimensions in Inches/(mm)