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

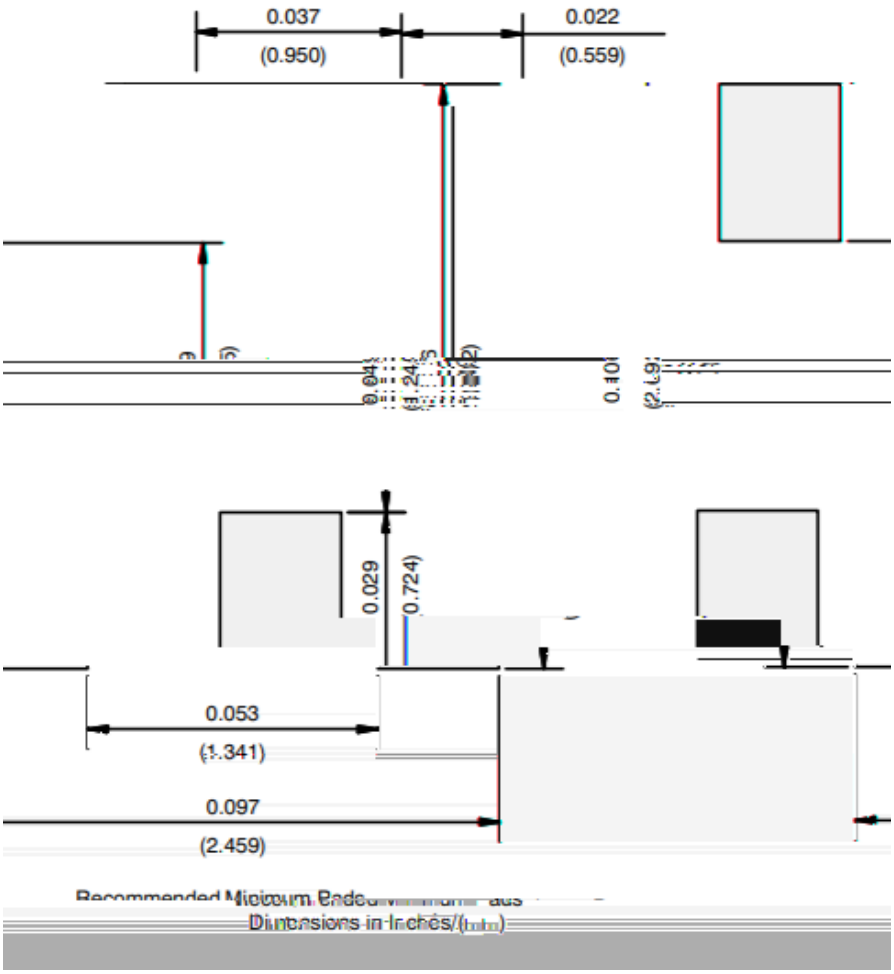
a. Surface mounted on 1" x 1" FR4 board

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)
0.029
0.724)
0.053
(1.341)
0.097
(2.459)