

THERMAL PERFORMANCE			
PARAMETER	SYMBOL	TYP	UNIT
Junction-to-ambient thermal resistance	$R_{\theta JA}$	375	°C/W

ELECTRICAL SPECIFICATIONS ($T_A = 25^\circ\text{C}$ unless otherwise noted)					
PARAMETER	CONDITIONS	SYMBOL	TYP	MAX	UNIT
Reverse breakdown voltage ⁽²⁾	$I_R = 100\mu\text{A}, T_J = 25^\circ\text{C}$	V_R	75	-	V
Forward voltage ⁽¹⁾	$I_F = 10\text{mA}, T_J = 25^\circ\text{C}$	V_F	-	1.00	V
	$I_F = 100\text{mA}, T_J = 25^\circ\text{C}$		-	1.25	V
Reverse recovery time	$I_F = 10\text{mA}, I_R = 10\text{mA}, R_L = 100\Omega$	t_{rr}	-	4	ns
Reverse current @ rated V_R ⁽²⁾	$V_R = 20\text{V}, T_J = 25^\circ\text{C}$	I_R	-	25	nA
	$V_R = 75\text{V}, T_J = 25^\circ\text{C}$		-	5	μA
Junction capacitance	1MHz, $V_R = 0\text{V}$	C_J	-	4	pF

Notes:

1. Pulse test with PW = 0.3ms
2. Pulse test with PW = 30ms

ORDERING INFORMATION		
ORDERING CODE	PACKAGE	PACKING
TS4148 RXG	1206 (Ceramics)	5K / 7" Reel
TS4148 RAG	1206 (Ceramics)	10K / 13" Reel

CHARACTERISTICS CURVES

($T_A = 25^\circ\text{C}$ unless otherwise noted)

Fig.1 Typical Forward Characteristics

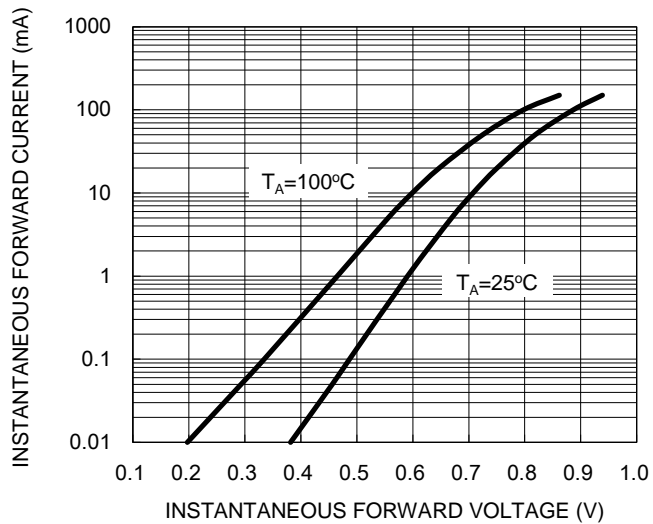


Fig.2 Reverse Current VS. Reverse Voltage

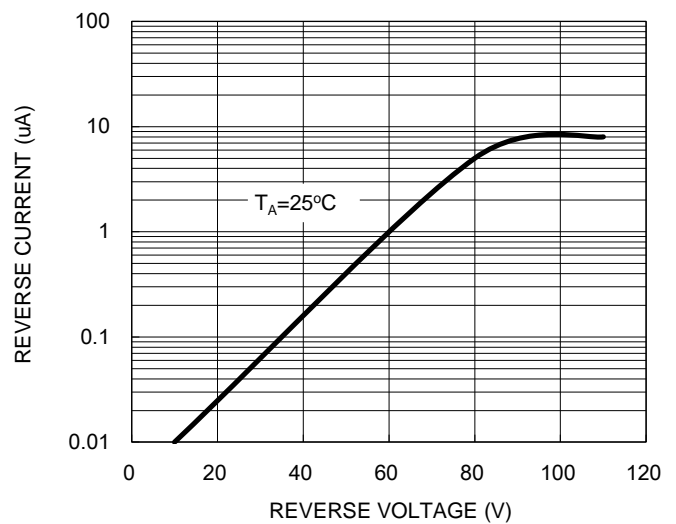


Fig.3 Admissible Power Dissipation Curve

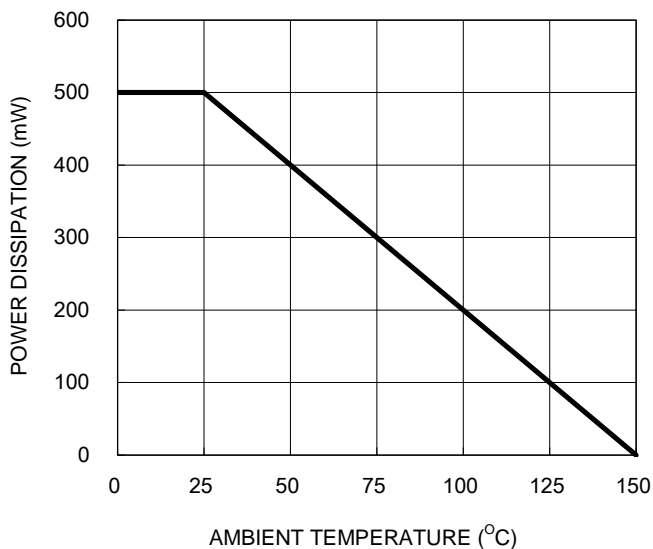
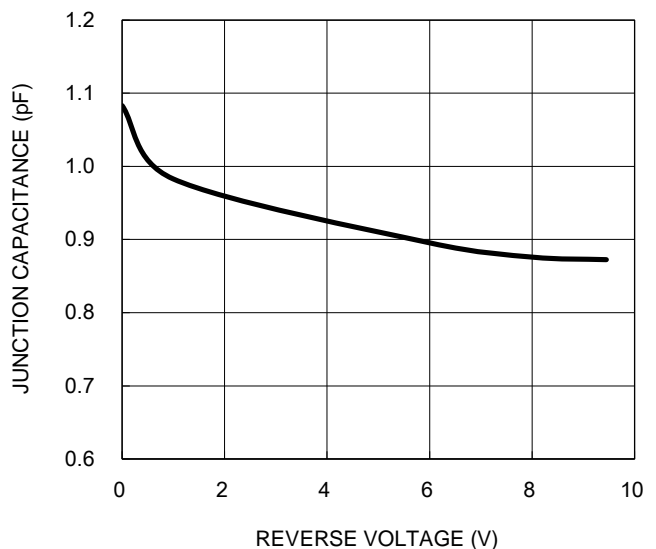


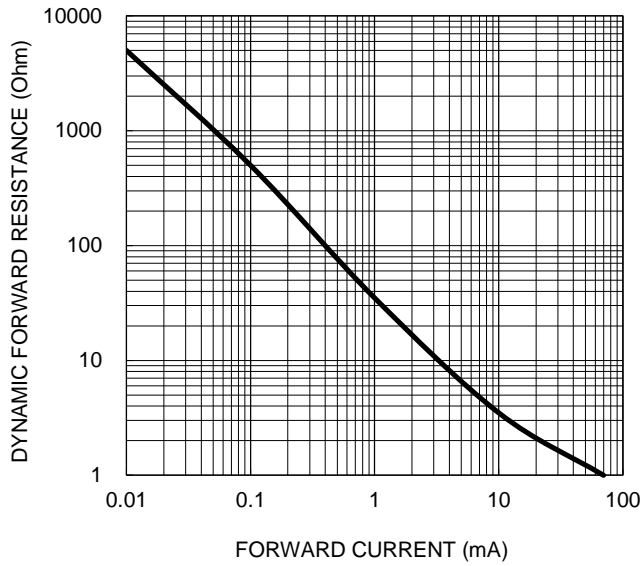
Fig.4 Typical Junction Capacitance



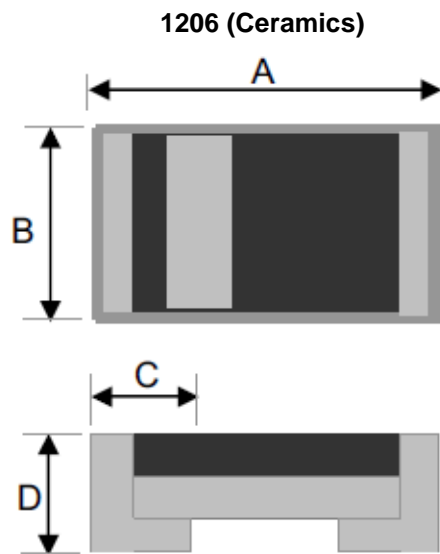
CHARACTERISTICS CURVES

($T_A = 25^\circ\text{C}$ unless otherwise noted)

Fig.5 Forward Resistance VS. Forward Current



PACKAGE OUTLINE DIMENSION



DIM.	Unit (mm)		Unit (inch)	
	Min	Max	Min	Max
A	3.00	3.40	0.118	0.134
B	1.30	1.70	0.051	0.067
C	0.35	0.75	0.014	0.030
D	0.65	0.85	0.026	0.033

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