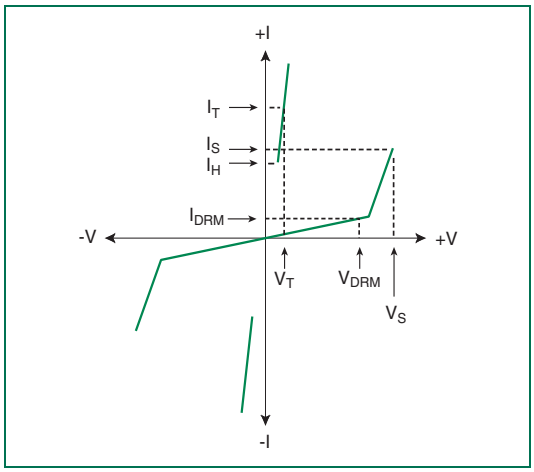
Thermal Considerations

Package	Symbol	Parameter	Value	Unit
DO-214AA 	T_J	Operating Junction Temperature Range	-40 to +150	°C
	T_S	Storage Temperature Range	-65 to +150	°C
	$R_{\theta JA}$	Thermal Resistance: Junction to Ambient	90	°C/W

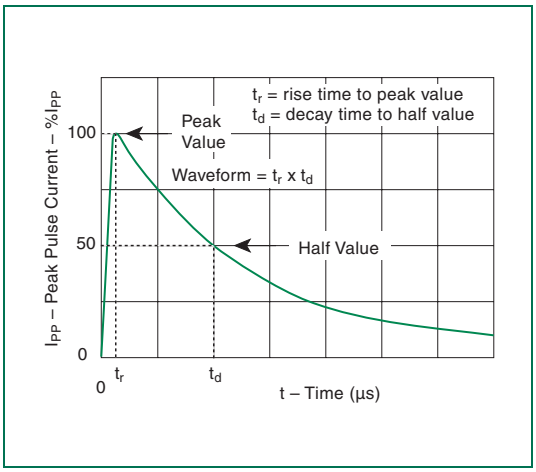
Capacitance Values

Part Number *	pF	
	MIN	MAX
P0080S[A/B]L	25	150
P0080SCL	35	260
P0220SAL	25	150
P0220SBL	25	150
P0220SCL	30	240
P0300S[A/B]L	15	140
P0300SCL	25	250
P0640S[A/B]L	40	60
P0640SCL	55	155
P0720SAL	35	60
P0720SBL	35	75
P0720SCL	50	150
P0900SAL	35	55
P0900SBL	35	70
P0900SCL	45	140
P1100SAL	30	50
P1100SBL	30	70
P1100SCL	45	115
P1300SAL	25	45
P1300SBL	25	60
P1300SCL	40	105
P1500SAL	25	40
P1500SBL	25	55
P1500SCL	35	95
P1800SAL	25	35
P1800SBL	25	50
P1800SCL	35	90
P2100S[A/B]L	20	35
P2100SCL	30	90
P2300SAL	25	35
P2300SBL	25	50
P2300SCL	30	80
P2600SAL	20	35
P2600SBL	20	45
P2600SCL	30	80
P3100SAL	20	35
P3100SBL	20	45
P3100SCL	30	70
P3500SAL	20	35
P3500SBL	20	40
P3500SCL	25	65

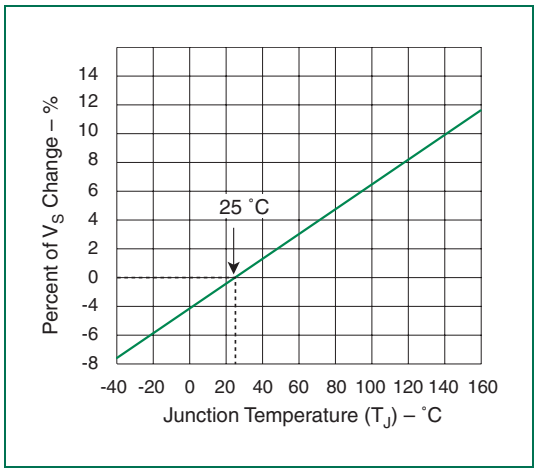
* [A/B] in part number indicates that values are for both A and B surge ratings.
Note: Off-state capacitance (C_O) is measured at 1 MHz with a 2 V bias.



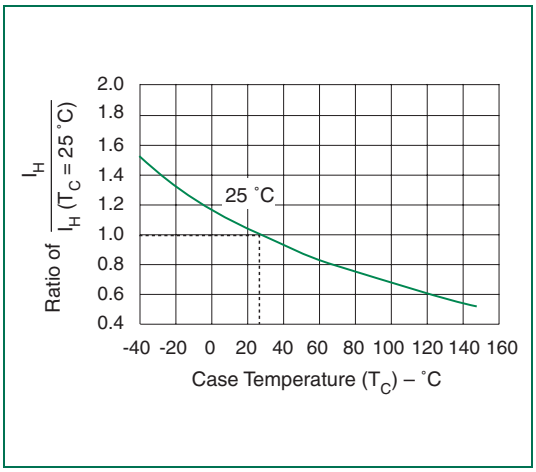
V-I Characteristics



t_r x t_d Pulse Waveform



Normalized V_S Change versus Junction Temperature



Normalized DC Holding Current versus Case Temperature

