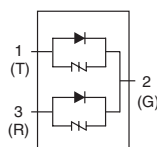


TwinSLIC™ Protector



This *TwinSLIC* DO-214AA unidirectional protector is constructed with a *SIDACtor*® device and an integrated diode. It protects SLICs (Subscriber Line Interface Circuits) from damage during transient voltage activity and enables line cards to comply with various regulatory requirements including GR 1089, ITU K.20, K.21 and K.45, IEC 60950, UL 60950, and TIA-968-A (formerly known as FCC Part 68).

For details of specific design criteria, see Figure 6.40 through Figure 6.43 in Section 6, “Reference Designs” of this *Telecom Design Guide*.

Electrical Parameters

Part Number *	V _{DRM} Volts	V _S Volts	V _T Volts	V _F Volts	I _{DRM} μAmps	I _S mAmps	I _T Amps	I _H mAmps
	Pins 1-2, 3-2							
P0641CA2L	58	77	4	5	5	800	1	120
P0721CA2L	65	88	4	5	5	800	1	120
P0901CA2L	75	98	4	5	5	800	1	120
P1101CA2L	95	130	4	5	5	800	1	120
P1301								

Thermal Considerations

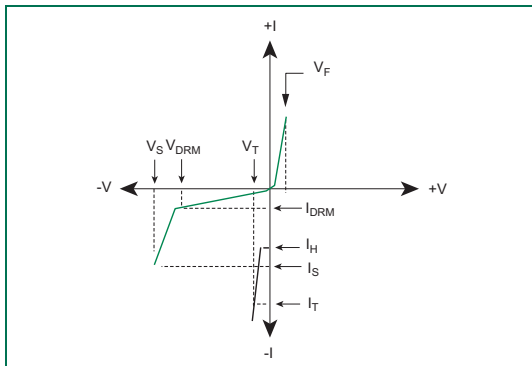
Package	Symbol	Parameter	Value	Unit
	T_J	Operating Junction Temperature Range	-40 to +150	°C
	T_S	Storage Temperature Range	-65 to +150	°C
	$R_{\theta JA}$	Thermal Resistance: Junction to Ambient	85	°C/W

Capacitance Values

Part Number	pF Pin 1-2 / 3-2 Tip-Ground, Ring-Ground		pF Pin 1-3 Tip-Ring	
	MIN	MAX	MIN	MAX
P0641CA2L	40	200	20	105
P0721CA2L	35	190	20	105
P0901CA2L	30	180	20	105
P1101CA2L	25	160	15	105
P1301CA2L	25	125	15	105
P1701CA2L	25	125	15	105

Note: Off-state capacitance (C_O) is measured at 1 MHz with a 2 V bias.

SIDAcTOR Devices



V-I Characteristics

