杭州东沃电子科技有限公司简介

杭州东沃电子科技有限公司是专业从事半导体分立器件和过流过压保护器件的设计、研发与销售的高新技术企业。座落于美丽的西子湖畔——杭州，是国内掌握半导体分立器件和过流过压保护器件核心技术的供应商之一。

东沃人致力于卓越的理念持续为客户创造价值. 东沃服务的内容不仅包括提供优异的产品,同时可提供专业的解决方案,免费的技术咨询和产品的检测.

东沃始终以国际一流的电子行业为目标进行研发和经营方针。目前东沃的产品主要包括半导体固体放电管、低电容系列的半导体固体放电管、陶瓷气体放电管、瞬态仰制二极管、普通整流二极管、快恢复整流二极管、超快恢复整流二极管、快速开关二极管和双向触发二极管都拥有自主的知识产权体系。作为防雷器件领域的行业领先者，我们的产品几乎是所有使用电能的产品不可缺少的组成部分。广泛应用于电子节能灯，汽车电子系统, 信号通讯设备，电源保护，安防，电动工具，电力,电源设备，电子消费品, 电源输入端，医疗仪器仪表和电路保护等。

创业至今，我们拥有自己的研发队伍，四千多平方米的芯片和封装生产基地，并且引进世界一流的工艺设备。公司已经形成了月产 80KK 产量的生产能力。目前，公司在生产规模、技术水平方面均处于国内同行业领先地位，部分产品已经跻身于世界同行业先进水平。我们建立了良好的售后服务系统，公司一流的产品和信誉得到用户的满意和信任。

公司通过了 ISO9001:2000 质量体系认证，主要产品都具有 UL、SGS 产品认证，放电管产品严格执行 ITU-T K.12、K.28 推荐标准 、REA 标准以及 GB9043、YD/T940 等标准，半导体二极管满足 IEC 标准。在市场拓展中，我们将遵循公司“质量第一，客户至上”的方针，严格质量管理，我们将依靠长期积累的管理经验和独特的生产工艺制造出高品质的产品给用户，同时将不断完善产品售后服务，不断开发新产品以满足客户的各种需求。

Electrical Characteristics (SA Series)

Part Number	V_{DRM} Volts	V_S Volts	V_T Volts	I_{DRM} μAmps	I_S mAmps	I_T Amps	I_H mAmps	C_O pF
P0080SA	6	25	4	5	800	2.2	50	50
P0300SA	25	40	4	5	800	2.2	50	70
P0640SA	58	77	4	5	800	2.2	150	50
P0720SA	65	88	4	5	800	2.2	150	50
P0900SA	75	98	4	5	800	2.2	150	45
P1100SA	90	130	4	5	800	2.2	150	45
P1300SA	120	160	4	5	800	2.2	150	45
P1500SA	140	180	4	5	800	2.2	150	40
P1800SA	170	220	4	5	800	2.2	150	40
P2000SA	180	220	4	5	800	2.2	150	40
P2300SA	190	260	4	5	800	2.2	150	35
P2600SA	220	300	4	5	800	2.2	150	35
P3100SA	275	350	4	5	800	2.2	150	30
P3500SA	320	400	4	5	800	2.2	150	30
P4000SA	360	460	4	5	800	2.2	150	20
P4500SA	460	540	4	5	800	2.2	150	20
P5000SA	440	600	4	5	800	2.2	150	20

* For surge ratings, see table below.

Notes:

• All measurements are made at an ambient temperature of 25℃. I_{PP} applies to -40℃ through +85℃ temperature range.

• Off-state capacitance (C_O) is measured at 1 MHz with a 2 V bias and is typical value.

Surge Ratings

Series	I_{PP} 2x10 μs Amps	I_{PP} 8x20 μs Amps	I_{PP} 10x160 μs Amps	I_{PP} 10x560 μs Amps	I_{PP} 10x1000 μs Amps	I_{TSM} 60 Hz Amps	di/dt Amps/μs
A	150	150	90	50	45	20	500

Thermal Considerations

Package	DO-214AA/SMB	Symbol	Parameter	Value	Unit
		T_J	Operating Junction Temperature	-40 to +150	℃
		T_S	Storage Temperature Range	-40 to +150	℃
		$R_{\theta JA}$	Junction to Ambient on printed circuit	90	℃/W

Electrical Characteristics (SB Series)

Part Number*	V_{DRM} Volts	V_S Volts	V_T Volts	I_{DRM} µAmps	I_S mAmps	I_T Amps	I_H mAmps	C_O pF
P0080SB	6	25	4	5	800	2.2	50	70
P0300SB	25	40	4	5	800	2.2	50	70
P0640SB	58	77	4	5	800	2.2	150	60
P0720SB	65	88	4	5	800	2.2	150	60
P0900SB	75	98	4	5	800	2.2	150	55
P1100SB	90	130	4	5	800	2.2	150	55
P1300SB	120	160	4	5	800	2.2	150	55
P1500SB	140	180	4	5	800	2.2	150	60
P1800SB	170	220	4	5	800	2.2	150	60
P2000SB	180	220	4	5	800	2.2	150	60
P2300SB	190	260	4	5	800	2.2	150	55
P2600SB	220	300	4	5	800	2.2	150	50
P3100SB	275	350	4	5	800	2.2	150	45
P3500SB	320	400	4	5	800	2.2	150	40
P4000SB	360	460	4	5	800	2.2	150	40
P4500SB	460	540	4	5	800	2.2	150	40
P5000SB	440	600	4	5	800	2.2	150	40

* For surge ratings, see table below.
Notes:
• All measurements are made at an ambient temperature of 25℃. I_{PP} applies to -40℃ through +85℃ temperature range.
• Off-state capacitance (C_O) is measured at 1 MHz with a 2 V bias and is typical value.

Surge Ratings

Series	I_{PP} 2x10 µs Amps	I_{PP} 8x20 µs Amps	I_{PP} 10x160 µs Amps	I_{PP} 10x560 µs Amps	I_{PP} 10x1000 µs Amps	I_{TSM} 60 Hz Amps	di/dt Amps/µs
B	250	250	150	100	80	30	500

Thermal Considerations

Package DO-214AA/SMB

Symbol	Parameter	Value	Unit
T_J	Operating Junction Temperature	-40 to +150	℃
T_S	Storage Temperature Range	-40 to +150	℃
$R_{\theta JA}$	Junction to Ambient on printed circuit	90	℃/W

Electrical Characteristics (SC Series)

Part Number*	V_{DRM} Volts	V_S Volts	V_T Volts	I_{DRM} μAmps	I_S mAmps	I_T Amps	I_H mAmps	C_O pF
P0080SC	6	25	4	5	800	2.2	50	100
P0300SC	25	40	4	5	800	2.2	50	100
P0640SC	58	77	4	5	800	2.2	150	100
P0720SC	65	88	4	5	800	2.2	150	100
P0900SC	75	98	4	5	800	2.2	150	90
P1100SC	90	130	4	5	800	2.2	150	90
P1300SC	120	160	4	5	800	2.2	150	90
P1500SC	140	180	4	5	800	2.2	150	85
P1800SC	170	220	4	5	800	2.2	150	85
P2000SC	180	220	4	5	800	2.2	150	85
P2300SC	190	260	4	5	800	2.2	150	80
P2600SC	220	300	4	5	800	2.2	150	80
P3100SC	275	350	4	5	800	2.2	150	65
P3500SC	320	400	4	5	800	2.2	150	65
P4000SC	360	460	4	5	800	2.2	150	45
P4500SC	460	540	4	5	800	2.2	150	45
P5000SC	440	600	4	5	800	2.2	150	45

* For surge ratings, see table below.
Notes:
• All measurements are made at an ambient temperature of 25℃. I_{PP} applies to -40℃ through +85℃ temperature range.
• Off-state capacitance (C_O) is measured at 1 MHz with a 2 V bias and is typical value.

Surge Ratings

Series	I_{PP} 2x10 μs Amps	I_{PP} 8x20 μs Amps	I_{PP} 10x160 μs Amps	I_{PP} 10x560 μs Amps	I_{PP} 10x1000 μs Amps	I_{TSM} 60 Hz Amps	di/dt Amps/μs
C	500	400	200	150	100	50	500

Thermal Considerations

Package DO-214AA/SMB	Symbol	Parameter	Value	Unit
	T_J	Operating Junction Temperature	-40 to +150	℃
	T_S	Storage Temperature Range	-40 to +150	℃
	$R_{\theta JA}$	Junction to Ambient on printed circuit	90	℃/W

Electrical Characteristics (MicroCapacitance)(SB Series)

Part Number*	V_{DRM} Volts	V_S Volts	V_T Volts	I_{DRM} μAmps	I_S mAmps	I_T Amps	I_H mAmps	C_O pF
P0080SB MC	6	25	4	5	800	2.2	50	70
P0300SB MC	25	40	4	5	800	2.2	50	70
P0640SB MC	58	77	4	5	800	2.2	150	55
P0720SB MC	65	88	4	5	800	2.2	150	55
P0900SB MC	75	98	4	5	800	2.2	150	50
P1100SB MC	90	130	4	5	800	2.2	150	50
P1300SB MC	120	160	4	5	800	2.2	150	50
P1500SB MC	140	180	4	5	800	2.2	150	40
P1800SB MC	170	220	4	5	800	2.2	150	40
P2000SB MC	180	220	4	5	800	2.2	150	40
P2300SB MC	190	260	4	5	800	2.2	150	35
P2600SB MC	220	300	4	5	800	2.2	150	35
P3100SB MC	275	350	4	5	800	2.2	150	25
P3500SB MC	320	400	4	5	800	2.2	150	25
P4000SB MC	360	460	4	5	800	2.2	150	20
P4500SB MC	460	540	4	5	800	2.2	150	20
P5000SB MC	440	600	4	5	800	2.2	150	20

* For surge ratings, see table below.

Notes:

• All measurements are made at an ambient temperature of 25℃. I_{PP} applies to -40℃ through +85℃ temperature range.

• Off-state capacitance (C_O) is measured at 1 MHz with a 2 V bias and is typical value.

Surge Ratings

Series	I_{PP} 2x10 μs Amps	I_{PP} 8x20 μs Amps	I_{PP} 10x160 μs Amps	I_{PP} 10x560 μs Amps	I_{PP} 10x1000 μs Amps	I_{TSM} 60 Hz Amps	di/dt Amps/μs
B	250	250	150	100	80	30	500

Thermal Considerations

Package DO-214AA/SMB	Symbol	Parameter	Value	Unit
	T_J	Operating Junction Temperature	-40 to +150	℃
	T_S	Storage Temperature Range	-40 to +150	℃
	$R_{\theta JA}$	Junction to Ambient on printed circuit	90	℃/W

Electrical Characteristics (MicroCapacitance)(SC Series)

Part Number*	V_{DRM} Volts	V_S Volts	V_T Volts	I_{DRM} μAmps	I_S mAmps	I_T Amps	I_H mAmps	C_O pF
P0080SC MC	6	25	4	5	800	2.2	50	100
P0300SC MC	25	40	4	5	800	2.2	50	100
P0640SC MC	58	77	4	5	800	2.2	150	85
P0720SC MC	65	88	4	5	800	2.2	150	85
P0900SC MC	75	98	4	5	800	2.2	150	70
P1100SC MC	90	130	4	5	800	2.2	150	70
P1300SC MC	120	160	4	5	800	2.2	150	70
P1500SC MC	140	180	4	5	800	2.2	150	55
P1800SC MC	170	220	4	5	800	2.2	150	55
P2000SC MC	180	220	4	5	800	2.2	150	55
P2300SC MC	190	260	4	5	800	2.2	150	45
P2600SC MC	220	300	4	5	800	2.2	150	45
P3100SC MC	275	350	4	5	800	2.2	150	45
P3500SC MC	320	400	4	5	800	2.2	150	45
P4000SC MC	360	460	4	5	800	2.2	150	45
P4500SC MC	460	540	4	5	800	2.2	150	45
P5000SC MC	440	600	4	5	800	2.2	150	45

* For surge ratings, see table below.
Notes:
• All measurements are made at an ambient temperature of 25℃. I_{PP} applies to -40℃ through +85℃ temperature range.
• Off-state capacitance (C_O) is measured at 1 MHz with a 2 V bias and is typical value.

Surge Ratings

Series	I_{PP} 2x10 μs Amps	I_{PP} 8x20 μs Amps	I_{PP} 10x160 μs Amps	I_{PP} 10x560 μs Amps	I_{PP} 10x1000 μs Amps	I_{TSM} 60 Hz Amps	di/dt Amps/μs
C	500	400	200	150	100	50	500

Thermal Considerations

Package DO-214AA/SMB	Symbol	Parameter	Value	Unit
	T_J	Operating Junction Temperature	-40 to +150	℃
	T_S	Storage Temperature Range	-40 to +150	℃
	$R_{\theta JA}$	Junction to Ambient on printed circuit	90	℃/W

Electrical Characteristics (TA Series)

Part Number*	V_{DRM} Volts	V_S Volts	V_T Volts	I_{DRM} μAmps	I_S mAmps	I_T Amps	I_H mAmps	C_O pF
P0080TA	6	25	4	5	800	2.2	50	50
P0300TA	25	40	4	5	800	2.2	50	70
P0640TA	58	77	4	5	800	2.2	150	50
P0720TA	65	88	4	5	800	2.2	150	50
P0900TA	75	98	4	5	800	2.2	150	45
P1100TA	90	130	4	5	800	2.2	150	45
P1300TA	120	160	4	5	800	2.2	150	45
P1500TA	140	180	4	5	800	2.2	150	40
P1800TA	170	220	4	5	800	2.2	150	40
P2000TA	180	220	4	5	800	2.2	150	40
P2300TA	190	260	4	5	800	2.2	150	35
P2600TA	220	300	4	5	800	2.2	150	35
P3100TA	275	350	4	5	800	2.2	150	30
P3500TA	320	400	4	5	800	2.2	150	30
P4000TA	360	460	4	5	800	2.2	150	30
P4500TA	460	540	4	5	800	2.2	150	30
P5000TA	440	600	4	5	800	2.2	150	30

* For surge ratings, see table below.

Notes:

• All measurements are made at an ambient temperature of 25℃. I_{PP} applies to -40℃ through +85℃ temperature range.

• Off-state capacitance (C_O) is measured at 1 MHz with a 2 V bias and is typical value.

Surge Ratings

Series	I_{PP} 2x10 μs Amps	I_{PP} 8x20 μs Amps	I_{PP} 10x160 μs Amps	I_{PP} 10x560 μs Amps	I_{PP} 10x1000 μs Amps	I_{TSM} 60 Hz Amps	di/dt Amps/μs
A	150	150	90	50	45	20	500

Thermal Considerations

Package	DO-214AC/SMA	Symbol	Parameter	Value	Unit
		T_J	Operating Junction Temperature	-40 to +150	℃
		T_S	Storage Temperature Range	-40 to +150	℃
		$R_{\theta JA}$	Junction to Ambient on printed circuit	120	℃/W

Electrical Characteristics (EA Series)

Part Number*	V_{DRM} Volts	V_S Volts	V_T Volts	I_{DRM} µAmps	I_S mAmps	I_T Amps	I_H mAmps	C_O pF
P0080EA	6	25	4	5	800	2.2	50	50
P0300EA	25	40	4	5	800	2.2	50	70
P0640EA	58	77	4	5	800	2.2	150	50
P0720EA	65	88	4	5	800	2.2	150	50
P0900EA	75	98	4	5	800	2.2	150	45
P1100EA	90	130	4	5	800	2.2	150	45
P1300EA	120	160	4	5	800	2.2	150	45
P1500EA	140	180	4	5	800	2.2	150	40
P1800EA	170	220	4	5	800	2.2	150	40
P2000EA	180	220	4	5	800	2.2	150	40
P2300EA	190	260	4	5	800	2.2	150	35
P2600EA	220	300	4	5	800	2.2	150	35
P3100EA	275	350	4	5	800	2.2	150	30
P3500EA	320	400	4	5	800	2.2	150	30
P4000EA	360	460	4	5	800	2.2	150	30
P4500EA	460	540	4	5	800	2.2	150	30
P5000EA	440	600	4	5	800	2.2	150	30

* For surge ratings, see table below.
Notes:
• All measurements are made at an ambient temperature of 25℃. I_{PP} applies to -40℃ through +85℃ temperature range.
• Off-state capacitance (C_O) is measured at 1 MHz with a 2 V bias and is typical value.

Surge Ratings

Series	I_{PP} 2x10 µs Amps	I_{PP} 8x20 µs Amps	I_{PP} 10x160 µs Amps	I_{PP} 10x560 µs Amps	I_{PP} 10x1000 µs Amps	I_{TSM} 60 Hz Amps	di/dt Amps/µs
A	150	150	90	50	45	20	500

Thermal Considerations

Package TO-92	Symbol	Parameter	Value	Unit
	T_J	Operating Junction Temperature	-40 to +150	℃
	T_S	Storage Temperature Range	-40 to +150	℃
	$R_{\theta JA}$	Junction to Ambient on printed circuit	90	℃/W

Electrical Characteristics (EA Series)

Part Number*	V_{DRM} Volts	V_S Volts	V_T Volts	I_{DRM} µAmps	I_S mAmps	I_T Amps	I_H mAmps	C_O pF
P0080EB	6	25	4	5	800	2.2	50	85
P0300EB	25	40	4	5	800	2.2	50	85
P0640EB	58	77	4	5	800	2.2	150	60
P0720EB	65	88	4	5	800	2.2	150	60
P0900EB	75	98	4	5	800	2.2	150	55
P1100EB	90	130	4	5	800	2.2	150	55
P1300EB	120	160	4	5	800	2.2	150	55
P1500EB	140	180	4	5	800	2.2	150	60
P1800EB	170	220	4	5	800	2.2	150	60
P2000EB	180	220	4	5	800	2.2	150	60
P2300EB	190	260	4	5	800	2.2	150	55
P2600EB	220	300	4	5	800	2.2	150	50
P3100EB	275	350	4	5	800	2.2	150	45
P3500EB	320	400	4	5	800	2.2	150	40
P4000EB	360	460	4	5	800	2.2	150	40
P4500EB	460	540	4	5	800	2.2	150	40
P5000EB	440	600	4	5	800	2.2	150	40

* For surge ratings, see table below.
Notes:
• All measurements are made at an ambient temperature of 25℃. I_{PP} applies to -40℃ through +85℃ temperature range.
• Off-state capacitance (C_O) is measured at 1 MHz with a 2 V bias and is typical value.

Surge Ratings

Series	I_{PP} 2x10 µs Amps	I_{PP} 8x20 µs Amps	I_{PP} 10x160 µs Amps	I_{PP} 10x560 µs Amps	I_{PP} 10x1000 µs Amps	I_{TSM} 60 Hz Amps	di/dt Amps/µs
B	250	250	150	100	80	30	500

Thermal Considerations

Package TO-92	Symbol	Parameter	Value	Unit
	T_J	Operating Junction Temperature	-40 to +150	℃
	T_S	Storage Temperature Range	-40 to +150	℃
	$R_{\theta JA}$	Junction to Ambient on printed circuit	90	℃/W

Electrical Characteristics (EC Series)

Part Number*	V_{DRM} Volts	V_S Volts	V_T Volts	I_{DRM} µAmps	I_S mAmps	I_T Amps	I_H mAmps	C_O pF
P0080EC	6	25	4	5	800	2.2	50	110
P0300EC	25	40	4	5	800	2.2	50	110
P0640EC	58	77	4	5	800	2.2	150	100
P0720EC	65	88	4	5	800	2.2	150	100
P0900EC	75	98	4	5	800	2.2	150	90
P1100EC	90	130	4	5	800	2.2	150	90
P1300EC	120	160	4	5	800	2.2	150	90
P1500EC	140	180	4	5	800	2.2	150	85
P1800EC	170	220	4	5	800	2.2	150	85
P2000EC	180	220	4	5	800	2.2	150	85
P2300EC	190	260	4	5	800	2.2	150	80
P2600EC	220	300	4	5	800	2.2	150	80
P3100EC	275	350	4	5	800	2.2	150	65
P3500EC	320	400	4	5	800	2.2	150	65
P4000EC	360	460	4	5	800	2.2	150	65
P4500EC	460	540	4	5	800	2.2	150	65
P5000EC	440	600	4	5	800	2.2	150	65

* For surge ratings, see table below.
Notes:
• All measurements are made at an ambient temperature of 25℃. I_{PP} applies to -40℃ through +85℃ temperature range.
• Off-state capacitance (C_O) is measured at 1 MHz with a 2 V bias and is typical value.

Surge Ratings

Series	I_{PP} 2x10 µs Amps	I_{PP} 8x20 µs Amps	I_{PP} 10x160 µs Amps	I_{PP} 10x560 µs Amps	I_{PP} 10x1000 µs Amps	I_{TSM} 60 Hz Amps	di/dt Amps/µs
C	500	400	200	150	100	50	500

Thermal Considerations

Package TO-92	Symbol	Parameter	Value	Unit
	T_J	Operating Junction Temperature	-40 to +150	℃
	T_S	Storage Temperature Range	-40 to +150	℃
	$R_{\theta JA}$	Junction to Ambient on printed circuit	90	℃/W

Electrical Characteristics (LA Series)

Part Number*	V_{DRM} Volts	V_S Volts	V_T Volts	I_{DRM} μAmps	I_S mAmps	I_T Amps	I_H mAmps	C_O pF
P0080LA	6	25	4	5	800	2.2	50	50
P0300LA	25	40	4	5	800	2.2	50	70
P0640LA	58	77	4	5	800	2.2	150	50
P0720LA	65	88	4	5	800	2.2	150	50
P0900LA	75	98	4	5	800	2.2	150	45
P1100LA	90	130	4	5	800	2.2	150	45
P1300LA	120	160	4	5	800	2.2	150	45
P1500LA	140	180	4	5	800	2.2	150	40
P1800LA	170	220	4	5	800	2.2	150	40
P2000LA	180	220	4	5	800	2.2	150	40
P2300LA	190	260	4	5	800	2.2	150	35
P2600LA	220	300	4	5	800	2.2	150	35
P3100LA	275	350	4	5	800	2.2	150	30
P3500LA	320	400	4	5	800	2.2	150	30
P4000LA	360	460	4	5	800	2.2	150	30
P4500LA	460	540	4	5	800	2.2	150	30
P5000LA	440	600	4	5	800	2.2	150	30

* For surge ratings, see table below.
Notes:
• All measurements are made at an ambient temperature of 25℃. I_{PP} applies to -40℃ through +85℃ temperature range.
• Off-state capacitance (C_O) is measured at 1 MHz with a 2 V bias and is typical value.

Surge Ratings

Series	I_{PP} 2x10 μs Amps	I_{PP} 8x20 μs Amps	I_{PP} 10x160 μs Amps	I_{PP} 10x560 μs Amps	I_{PP} 10x1000 μs Amps	I_{TSM} 60 Hz Amps	di/dt Amps/μs
A	150	150	90	50	45	20	500

Thermal Considerations

Package DO-15

Symbol	Parameter	Value	Unit
T_J	Operating Junction Temperature	-40 to +150	℃
T_S	Storage Temperature Range	-40 to +150	℃
$R_{\theta JA}$	Junction to Ambient on printed circuit	100	℃/W

Electrical Characteristics (SB Series)

Part Number*	V_{DRM} Volts	V_S Volts	V_T Volts	I_{DRM} μAmps	I_S mAmps	I_T Amps	I_H mAmps	C_O pF
P0080LB	6	25	4	5	800	2.2	50	85
P0300LB	25	40	4	5	800	2.2	50	85
P0640LB	58	77	4	5	800	2.2	150	60
P0720LB	65	88	4	5	800	2.2	150	60
P0900LB	75	98	4	5	800	2.2	150	55
P1100LB	90	130	4	5	800	2.2	150	55
P1300LB	120	160	4	5	800	2.2	150	55
P1500LB	140	180	4	5	800	2.2	150	60
P1800LB	170	220	4	5	800	2.2	150	60
P2000LB	180	220	4	5	800	2.2	150	60
P2300LB	190	260	4	5	800	2.2	150	55
P2600LB	220	300	4	5	800	2.2	150	50
P3100LB	275	350	4	5	800	2.2	150	45
P3500LB	320	400	4	5	800	2.2	150	40
P4000LB	360	460	4	5	800	2.2	150	40
P4500LB	460	540	4	5	800	2.2	150	40
P5000LB	440	600	4	5	800	2.2	150	40

* For surge ratings, see table below.
Notes:
• All measurements are made at an ambient temperature of 25℃. I_{PP} applies to -40℃ through +85℃ temperature range.
• Off-state capacitance (C_O) is measured at 1 MHz with a 2 V bias and is typical value.

Surge Ratings

Series	I_{PP} 2x10 μs Amps	I_{PP} 8x20 μs Amps	I_{PP} 10x160 μs Amps	I_{PP} 10x560 μs Amps	I_{PP} 10x1000 μs Amps	I_{TSM} 60 Hz Amps	di/dt Amps/μs
B	250	250	150	100	80	30	500

Thermal Considerations

Package DO-15	Symbol	Parameter	Value	Unit
	T_J	Operating Junction Temperature	-40 to +150	℃
	T_S	Storage Temperature Range	-40 to +150	℃
	$R_{\theta JA}$	Junction to Ambient on printed circuit	100	℃/W

Electrical Characteristics (SC Series)

Part Number*	V_{DRM} Volts	V_S Volts	V_T Volts	I_{DRM} μAmps	I_S mAmps	I_T Amps	I_H mAmps	C_O pF
P0080LC	6	25	4	5	800	2.2	50	110
P0300LC	25	40	4	5	800	2.2	50	110
P0640LC	58	77	4	5	800	2.2	150	100
P0720LC	65	88	4	5	800	2.2	150	100
P0900LC	75	98	4	5	800	2.2	150	90
P1100LC	90	130	4	5	800	2.2	150	90
P1300LC	120	160	4	5	800	2.2	150	90
P1500LC	140	180	4	5	800	2.2	150	85
P1800LC	170	220	4	5	800	2.2	150	85
P2000LC	180	220	4	5	800	2.2	150	85
P2300LC	190	260	4	5	800	2.2	150	80
P2600LC	220	300	4	5	800	2.2	150	80
P3100LC	275	350	4	5	800	2.2	150	65
P3500LC	320	400	4	5	800	2.2	150	65
P4000LC	360	460	4	5	800	2.2	150	65
P4500LC	460	540	4	5	800	2.2	150	65
P5000LC	440	600	4	5	800	2.2	150	65

* For surge ratings, see table below.
Notes:
• All measurements are made at an ambient temperature of 25℃. I_{PP} applies to -40℃ through +85℃ temperature range.
• Off-state capacitance (C_O) is measured at 1 MHz with a 2 V bias and is typical value.

Surge Ratings

Series	I_{PP} 2x10 μs Amps	I_{PP} 8x20 μs Amps	I_{PP} 10x160 μs Amps	I_{PP} 10x560 μs Amps	I_{PP} 10x1000 μs Amps	I_{TSM} 60 Hz Amps	di/dt Amps/μs
C	500	400	200	150	100	50	500

Thermal Considerations

Package DO-27	Symbol	Parameter	Value	Unit
	T_J	Operating Junction Temperature	-40 to +150	℃
	T_S	Storage Temperature Range	-40 to +150	℃
	$R_{\theta JA}$	Junction to Ambient on printed circuit	70	℃/W

Summary of Packing Options

Package Type	Description	Packing Quantity	Industry Standard
DO-214AA SA, SB, SC 	Embossed Carrier Reel Pack	3000 PCS	EIA-481-1
DO-214 AC TA 	Embossed Carrier Reel Pack	7500 PCS	EIA-481-1
TO-92 EA,EB,EC 	Buck Pack	2000 PCS	N/A
DO-15 LA,LB 	Tape and Reel Pack	4000 PCS	N/A
DO-27 LC 	Tape and Reel Pack	1500 PCS	N/A
DO-41 LA 	Tape and Reel Pack	5000 PCS	N/A