



PJSD03TS-AU~PJSD36TS-AU

PJSD05TS-AU						
Parameter	Symbol	Conditions	Min.	Typical	Max.	Units
Reverse Stand-Off Voltage	V_{RWM}	-	-	-	5	V
Reverse Breakdown Voltage	V_{BR}	$I_{BR}=1mA$	6.0	-	-	V
Reverse Leakage Current	I_R	$V_R=5V$	-	-	5	μA
Clamping Voltage(8/20 μs)	V_C	$I_{PP}=5A$	-	-	9	V
Off State Junction Capacitance	C_J	0Vdc Bias=f=1MHz	-	-	110	pF
Off State Junction Capacitance	C_J	5Vdc Bias=f=1MHz	-	-	60	pF

PJSD07TS-AU						
Parameter	Symbol	Conditions	Min.	Typical	Max.	Units
Reverse Stand-Off Voltage	V_{RWM}	-	-	-	7.0	V
Reverse Breakdown Voltage	V_{BR}	$I_{BR}=1mA$	7.5	-	-	V
Reverse Leakage Current	I_R	$V_R=7V$	-	-	150	nA
Clamping Voltage(8/20 μs)	V_C	$I_{PP}=8.8A$	-	-	22.7	V
Off State Junction Capacitance	C_J	0Vdc Bias=f=1MHz	-	-	85	pF

PJSD08TS-AU						
Parameter	Symbol	Conditions	Min.	Typical	Max.	Units
Reverse Stand-Off Voltage	V_{RWM}	-	-	-	8	V
Reverse Breakdown Voltage	V_{BR}	$I_{BR}=1mA$	8.5	-	-	V
Reverse Leakage Current	I_R	$V_R=8V$	-	-	5	μA
Clamping Voltage(8/20 μs)	V_C	$I_{PP}=5A$	-	-	13	V
Off State Junction Capacitance	C_J	0Vdc Bias=f=1MHz	-	-	70	pF

PJSD12TS-AU						
Parameter	Symbol	Conditions	Min.	Typical	Max.	Units
Reverse Stand-Off Voltage	V_{RWM}	-	-	-	12	V
Reverse Breakdown Voltage	V_{BR}	$I_{BR}=1mA$	13.3	-	-	V
Reverse Leakage Current	I_R	$V_R=12V$	-	-	5	μA
Clamping Voltage(8/20 μs)	V_C	$I_{PP}=5A$	-	-	17	V
Off State Junction Capacitance	C_J	0Vdc Bias=f=1MHz	-	-	60	pF



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PJSD15TS-AU						
Parameter	Symbol	Conditions	Min.	Typical	Max.	Units
Reverse Stand-Off Voltage	V_{RWM}	-	-	-	15	V
Reverse Breakdown Voltage	V_{BR}	$I_{BR}=1mA$	16.6	-	-	V
Reverse Leakage Current	I_R	$V_R=15V$	-	-	5	μA
Clamping Voltage(8/20 μs)	V_C	$I_{PP}=5A$	-	-	22	V
Off State Junction Capacitance	C_J	0Vdc Bias=f=1MHz	-	-	50	pF

PJSD24TS-AU						
Parameter	Symbol	Conditions	Min.	Typical	Max.	Units
Reverse Stand-Off Voltage	V_{RWM}	-	-	-	24	V
Reverse Breakdown Voltage	V_{BR}	$I_{BR}=1mA$	26.7	-	-	V
Reverse Leakage Current	I_R	$V_R=24V$	-	-	5	μA
Clamping Voltage(8/20 μs)	V_C	$I_{PP}=3A$	-	-	32	V
Off State Junction Capacitance	C_J	0Vdc Bias=f=1MHz	-	-	25	pF

PJSD36TS-AU						
Parameter	Symbol	Conditions	Min.	Typical	Max.	Units
Reverse Stand-Off Voltage	V_{RWM}	-	-	-	36	V
Reverse Breakdown Voltage	V_{BR}	$I_{BR}=1mA$	40	-	-	V
Reverse Leakage Current	I_R	$V_R=36V$	-	-	5	μA
Clamping Voltage(8/20 μs)	V_C	$I_{PP}=1A$	-	-	55	V
Off State Junction Capacitance	C_J	0Vdc Bias=f=1MHz	-	-	20	pF

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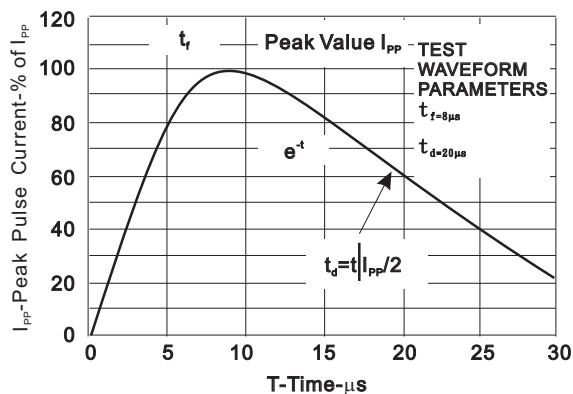


FIG. 1- Pulse Wave Form

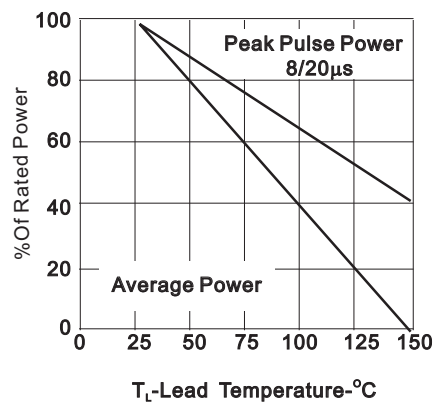


FIG. 2-Power Derating Curve

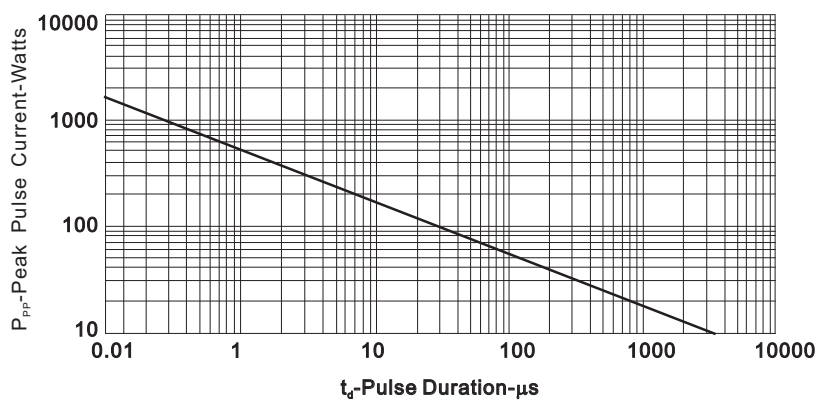


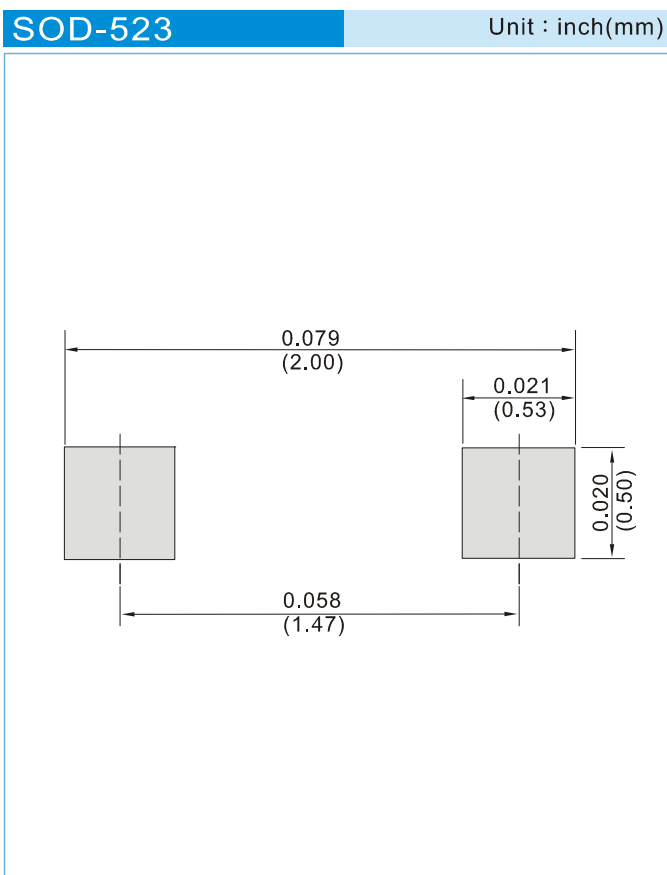
FIG. 3-Peak Pulse Power vs Pulse Time

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PART NO PACKING CODE VERSION

Part No Packing Code	Package Type	Packing Type	Marking	Version
PJSD03TS-AU_R1_000A1	SOD-523	5K pcs / 7" reel	KD	Halogen free
PJSD03TS-AU_R2_000A1	SOD-523	12K pcs / 13" reel	KD	Halogen free

MOUNTING PAD LAYOUT





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