

Electrical Characteristics @ 25°C (Unless Otherwise Specified)

ESD3V3D7

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Units
Reverse Working Voltage	V_{RWM}				3.3	V
Reverse Breakdown Voltage	V_{BR}	$I_T = 1\text{mA}$	5			V
Reverse Leakage Current	I_R	$V_{RWM} = 3.3\text{V}$			2.5	μA
Forward Voltage	V_F	$I_F = 10\text{mA}$			0.9	V
Peak Pulse Current	I_{PP}	$t_p = 8/20\mu\text{s}$			10.4	A
Clamping Voltage	V_C	$I_{PP} = 10.4\text{A}, t_p = 8/20\mu\text{s}$			11.9	V
Peak Pulse Power	P_D	$t_p = 8/20\mu\text{s}$			113	W
Junction Capacitance	C_J	$V_R = 0\text{V}, f = 1\text{MHz}$		80		pF

ESD5V0D7

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Units
Reverse Working Voltage	V_{RWM}				5	V
Reverse Breakdown Voltage	V_{BR}	$I_T = 1\text{mA}$	6.2			V
Reverse Leakage Current	I_R	$V_{RWM} = 5\text{V}$			1	μA
Forward Voltage	V_F	$I_F = 10\text{mA}$			0.9	V
Peak Pulse Current	I_{PP}	$t_p = 8/20\mu\text{s}$			8.8	A
Clamping Voltage	V_C	$I_{PP} = 8.8\text{A}, t_p = 8/20\mu\text{s}$			13.3	V
Peak Pulse Power	P_D	$t_p = 8/20\mu\text{s}$			117	W
Junction Capacitance	C_J	$V_R = 0\text{V}, f = 1\text{MHz}$		65		pF

ESD12VD7

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Units
Reverse Working Voltage	V_{RWM}				12	V
Reverse Breakdown Voltage	V_{BR}	$I_T = 1\text{mA}$	13.5			V
Reverse Leakage Current	I_R	$V_{RWM} = 12\text{V}$			1	μA
Forward Voltage	V_F	$I_F = 10\text{mA}$			0.9	V
Peak Pulse Current	I_{PP}	$t_p = 8/20\mu\text{s}$			5.4	A
Clamping Voltage	V_C	$I_{PP} = 5.4\text{A}, t_p = 8/20\mu\text{s}$			23.7	V
Peak Pulse Power	P_D	$t_p = 8/20\mu\text{s}$			128	W
Junction Capacitance	C_J	$V_R = 0\text{V}, f = 1\text{MHz}$		30		pF

Curve Characteristics

Fig. 1 - 8 X 20µs Pulse Waveform

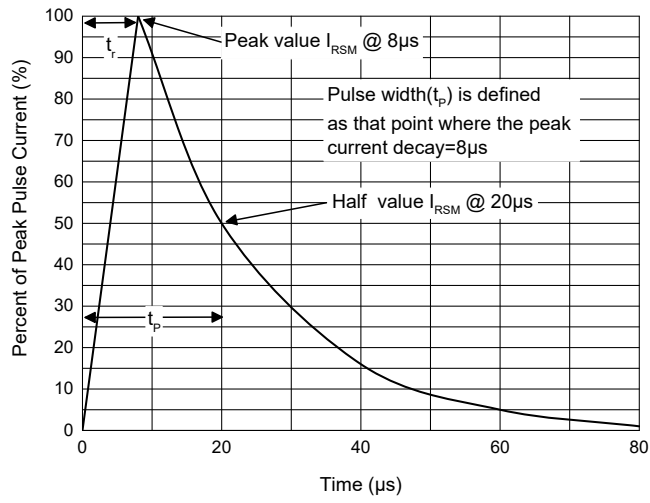
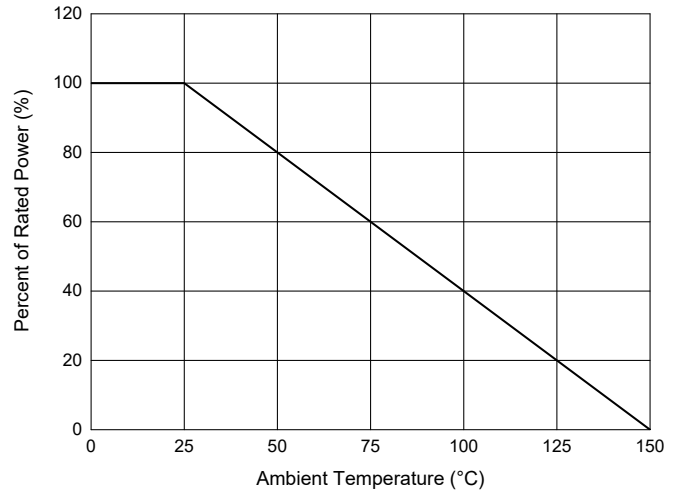


Fig. 2 - Pulse Derating Curve



Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 8Kpcs/Reel

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