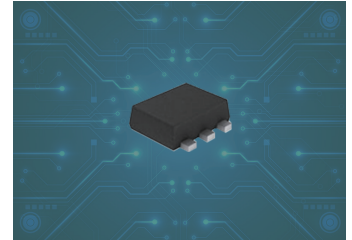


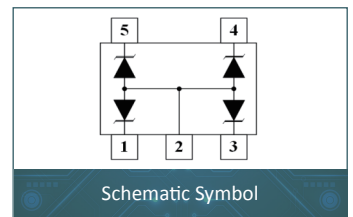
## 1. FEATURES

- 30 Watts Peak Pulse Power per Line (tp=8/20µs)
- Protects Four I/O Lines
- Low Clamping Voltage
- RoHS Compliant



## 2. APPLICATIONS

- Digital Visual Interface
- LVDS Interfaces
- LCD TV
- Serial ATA
- Firewire Ports
- Customer Premise Equipment
- CCTV Cameras
- Infiniband Transceiver Protection



## 3. IEC COMPATIBILITY

- IEC61000-4-2 (ESD) ±15kV (air), ±12kV (contact)
- IEC61000-4-4 (EFT) 40A (5/50ns)
- IEC61000-4-5 (LIGHTNING) 3A (8/20µs)

## 4. MECHANICAL CHARACTERISTICS

- SOT-553 Package
- Molding Compound Flammability Rating : UL 94V-O
- Weight 3 Milligrams (Approximate)
- Reel Size : 7 inch
- Lead Finish : Lead Free

## 5. THERMAL CONSIDERATIONS

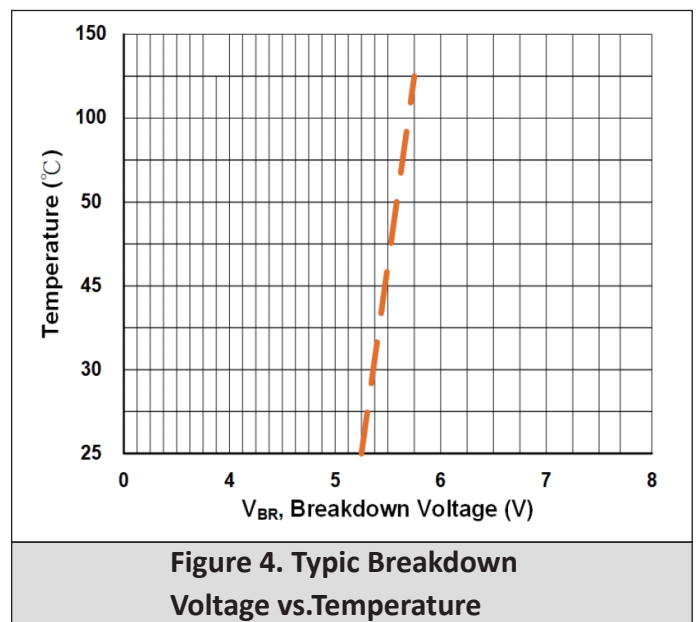
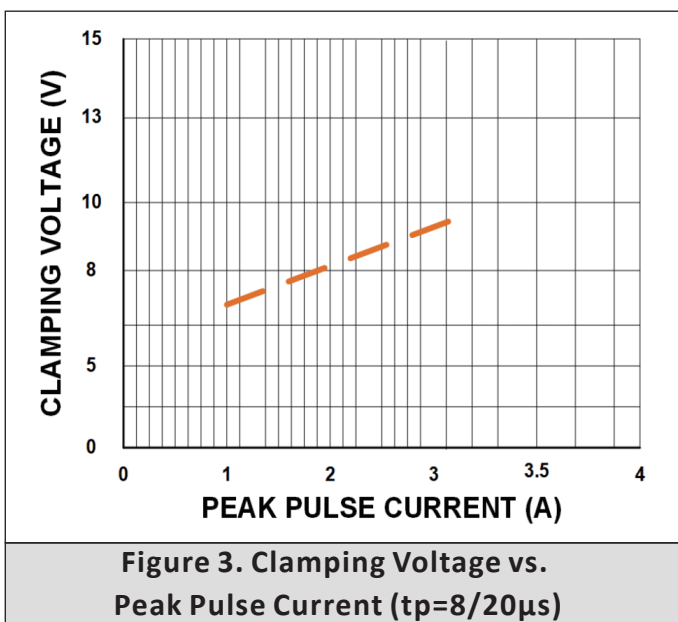
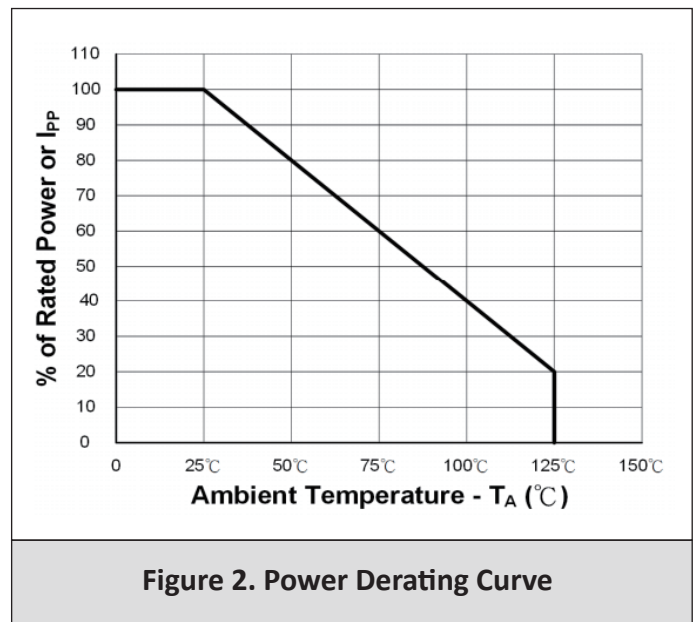
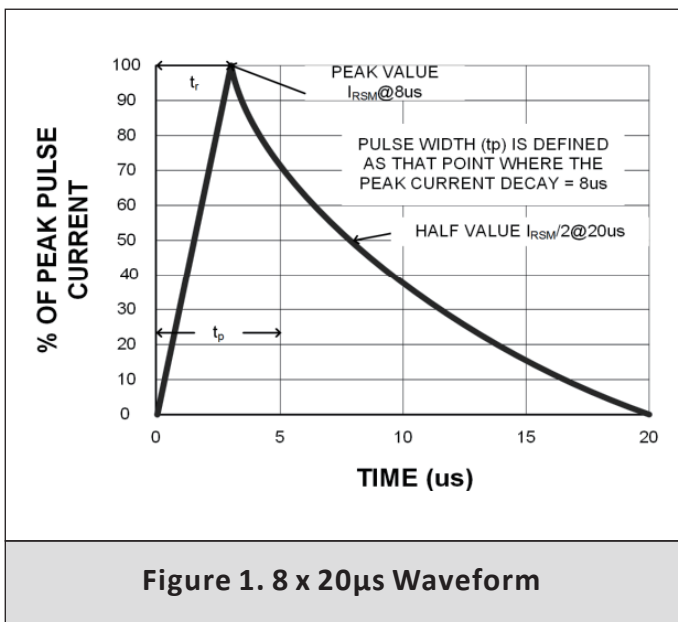
Symbol	Parameter	Value	Unit
$P_{PP}$	Peak Pulse Power (tp=8/20µs waveform)	30	Watts
$T_L$	Lead Soldering Temperature	260 (10 sec.)	°C
$T_J$	Operating Temperature Range	-40 to +125	°C
$T_{STG}$	Storage Temperature Range	-55 to +150	°C

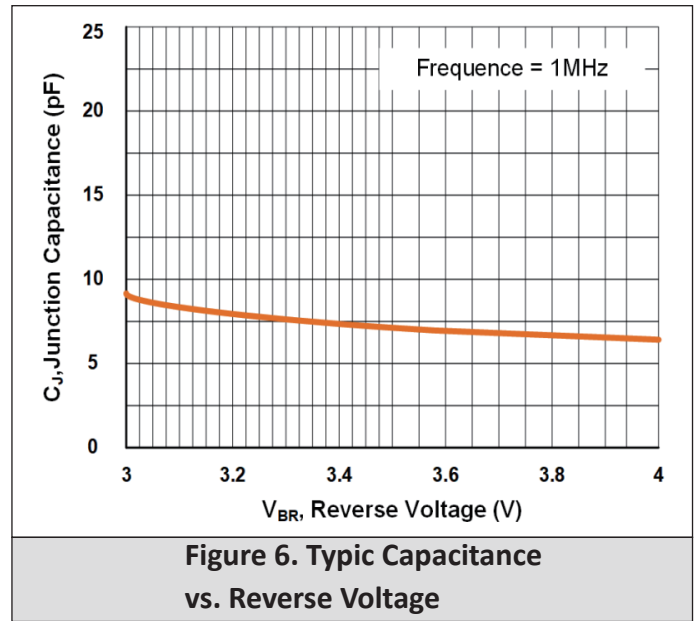
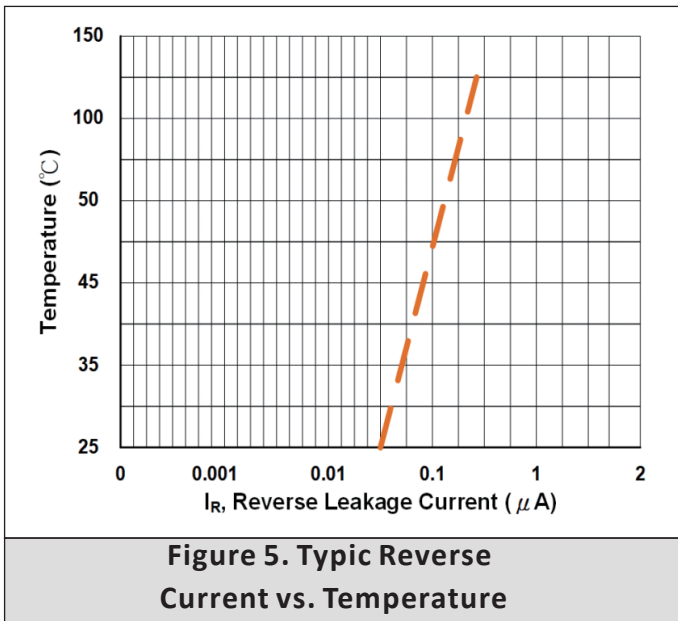


## 6. ELECTRICAL CHARACTERISTICS

Part Number	Device Marking Code	$V_{RWM}$	$V_{BR}$	$I_T$	$V_C@1A$	$V_C@2A$	$V_C@3A$	$I_R$	$C_T$
		Max.(V)	Min.(V)	(mA)	Max.(V)	Max.(V)	Max.(V)	Max.( $\mu A$ )	Typ.(pF)
SE55T10U3.3D	W1	3.3	4.0	1.0	7.8	8.6	10.0	1.0	9.0

## 7. CHARACTERISTIC CURVES



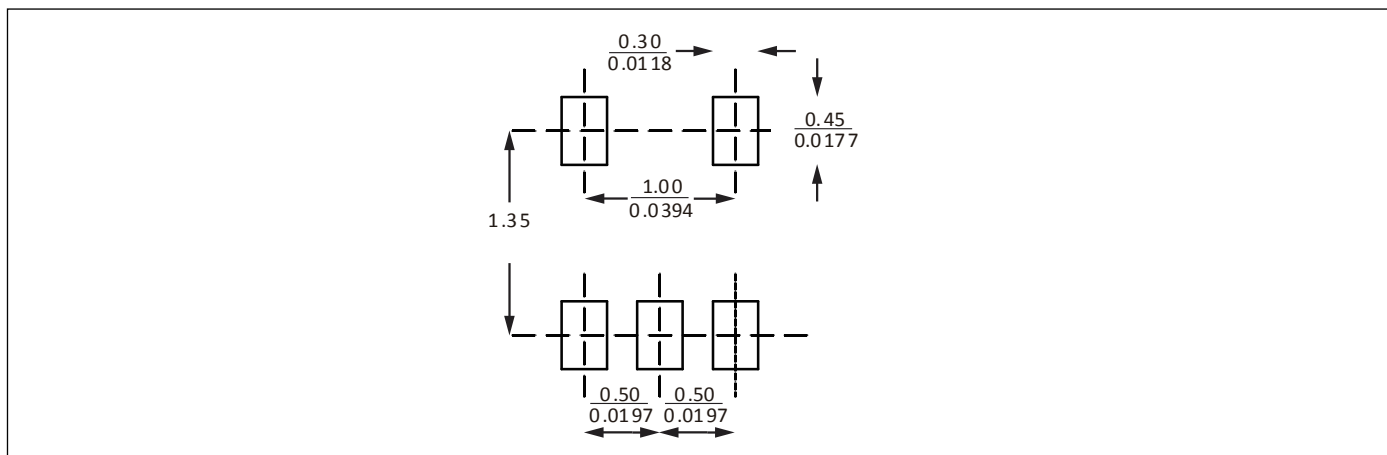


## 8. SOT-553 PACKAGE INFORMATION

DIM	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	1.50	1.70	0.059	0.067
B	1.10	1.30	0.043	0.051
C	0.50	0.60	0.020	0.024
D	0.17	0.27	0.007	0.011
G	0.50BSC		0.020BSC	
J	0.08	0.18	0.003	0.007
K	0.10	0.30	0.004	0.012
S	1.50	1.70	0.059	0.067



## 9. RECOMMENDED PAD LAYOUT DIMENSIONS



## 10. ORDERING INFORMATION

Part Number	Component Package	QTY/Reel	Reel Size
SE55T10U3.3D	SOT-553	3000PCS	7"



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