

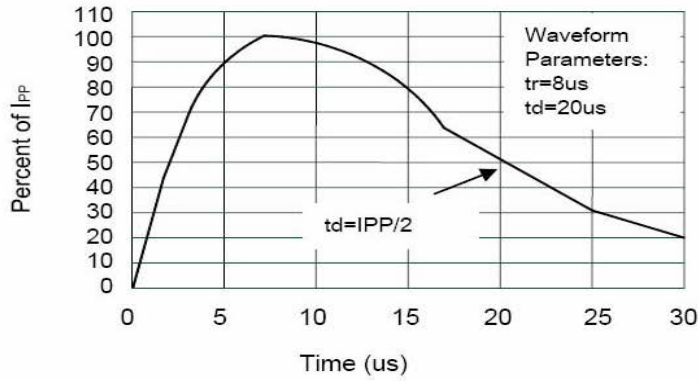
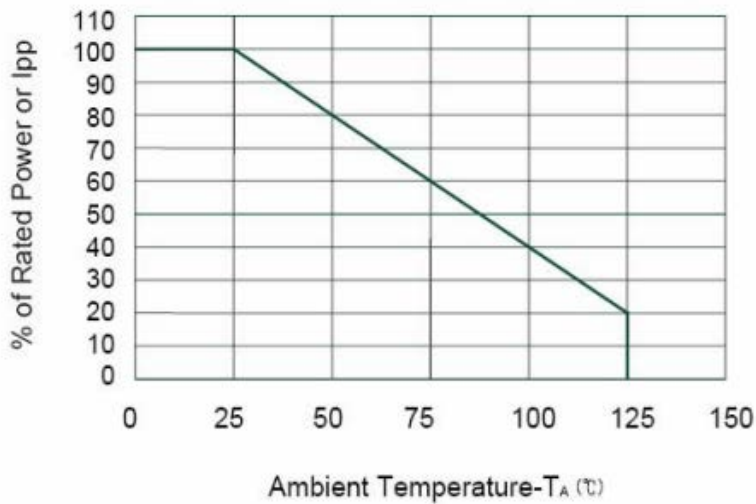
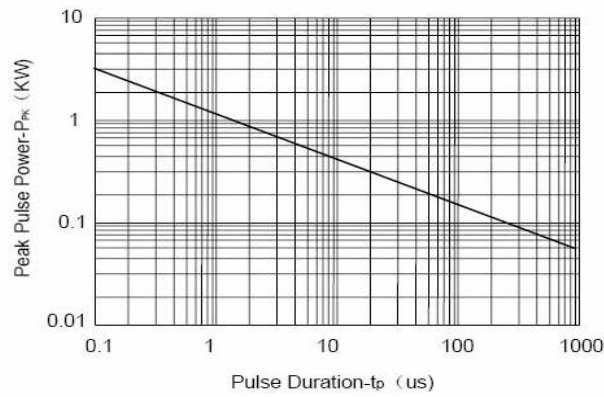


Absolute Maximum Rating

Symbol	Parameter	Value	Units
V _{ESD}	ESD per IEC 61000-4-2 (Air)	±30	kV
	ESD per IEC 61000-4-2 (Contact)	±30	
P _{PP}	Peak Pulse Power (8/20μs)	350	W
T _{OPT}	Operating Temperature	-55/+150	°C
T _{STG}	Storage Temperature	-55/+150	°C
T _L	Lead Soldering Temperature	260 (10 sec.)	°C

Electrical Characteristics (T = 25°C)

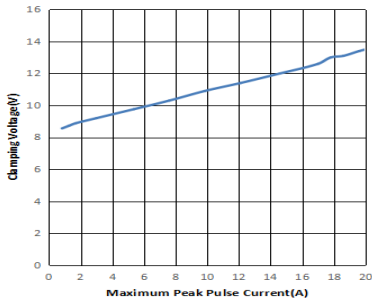
PART NUMBER	V _{RWM}	V _B	I _T	V _{C@1A}	V _C		I _R	C _T	DEVICE MARKING
	(V) (max.)	(V) (min.)	(mA)	(V) (max.)	(V) (max.)	(@A)	(μA) (max.)	(pF) (max.)	
TS0501LBX	5	6.0	1	10	24	19	0.1	80	5L
TS0801LBX	8	9.2	1	15	28	15	0.1	70	8L
TS1201LBX	12	13.3	1	19	32	12	0.1	60	CL
TS1801LBX	18	20.4	1	28	45	8	0.1	40	IL
TS2401LBX	24	26.7	1	36	50	5	0.1	30	OL
TS3601LBX	36	40.0	1	50	60	4	0.1	20	KL

Typical Characteristics

Pulse Waveform

Power Derating Curve

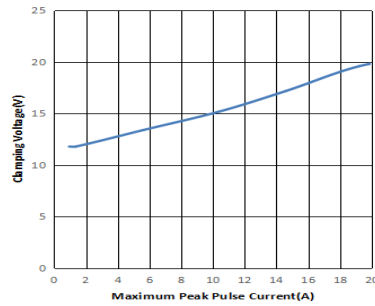


IEC61000-4-5 EOS Test (1.2/50uS, 8/20uS)

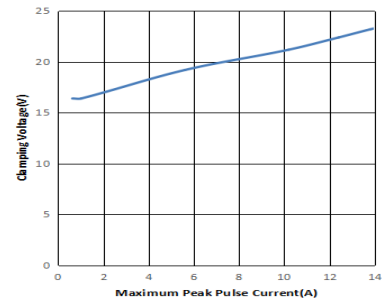
TS0501LBX



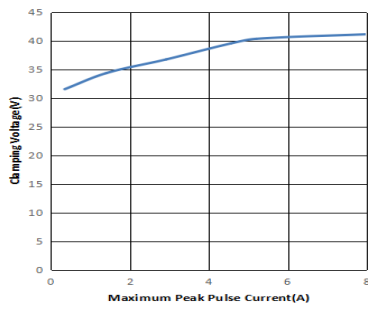
TS0801LBX



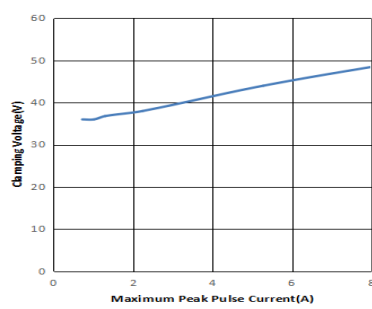
TS1201LBX



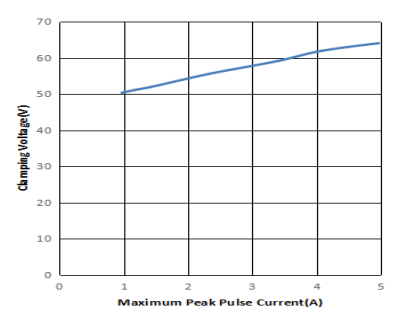
TS1801LBX



TS2401LBX

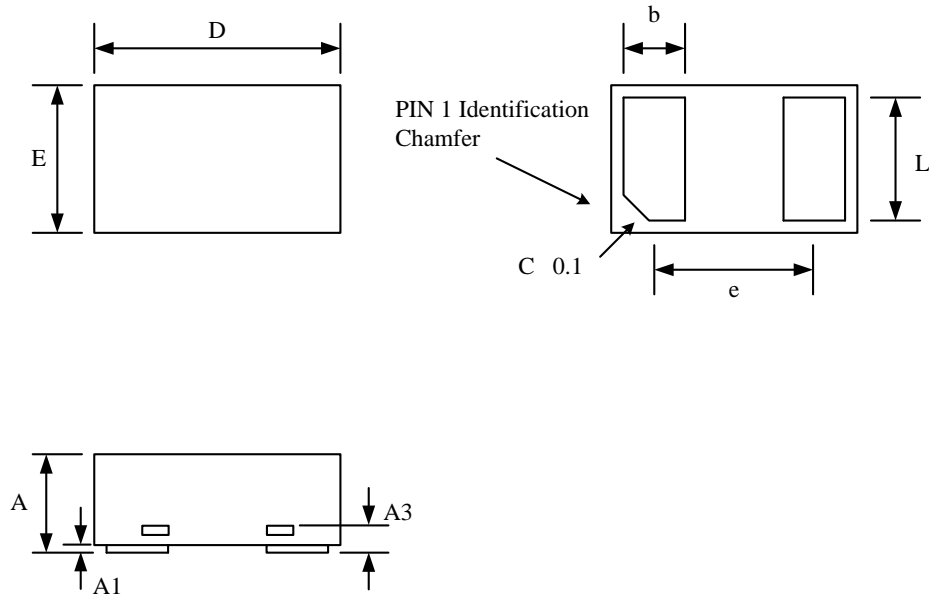


TS3601LBX



Package Outline Dimensions

- DFN1.0*0.6-2L Package
- MSL-1

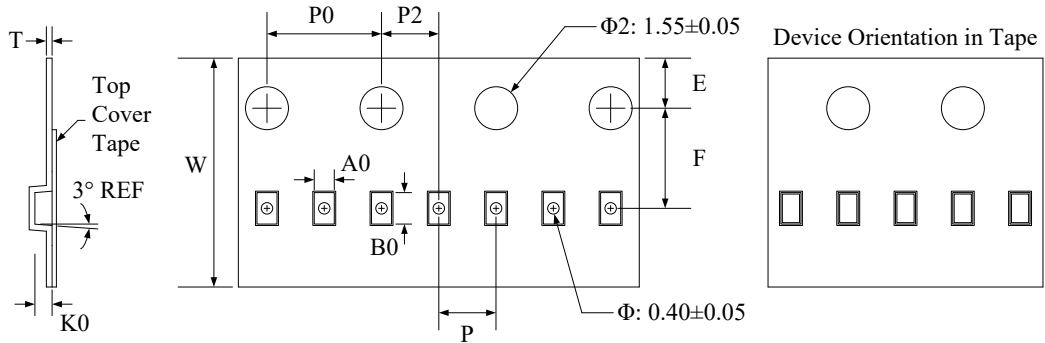


Package Dimensions (Controlling dimensions are in millimeters)

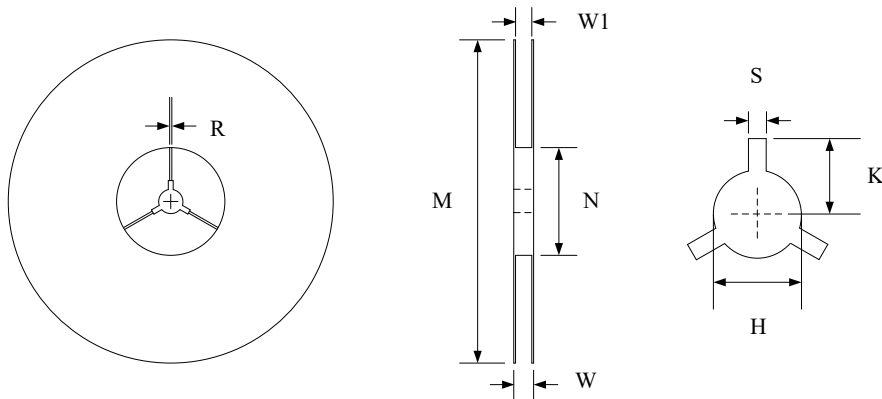
Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Minimum	Maximum	Minimum	Maximum
A	0.400	0.550	0.016	0.022
A1	0.000	0.050	0.000	0.002
A3	0.125 REF		0.005 REF	
D	0.950	1.050	0.037	0.041
E	0.550	0.650	0.022	0.026
b	0.200	0.300	0.008	0.012
e	0.650 BSC		0.026 BSC	
L	0.450	0.550	0.018	0.022



Tape and Reel Specification



Symbol	W	A0	B0	K0	E	F	P	P0	P2	T
Dimensions (mm)	8.00±0.1	0.7±0.05	1.15±0.05	0.55±0.05	1.75±0.1	3.5±0.05	2.0±0.1	4.0±0.1	2.0±0.05	0.2±0.05



Symbol	Reel Size	M	N	W	W1	H	S	K	R
Dimensions (mm)	Φ178	178.0±1.0	60.0±1.0	11.5±0.5	9.0±0.5	13.0±0.5	2.0±0.1	11.0±0.2	1.0±0.05

Ordering Information

Part Number	Qty per Reel	Reel Size
TSxx01LBX	10,000	7 inch