

PJESD5V6LC-4~PJESD6V8LC-4

FEATURES

- Based on the electrostatic discharge immunity test (IEC61000-4-2), the product assures the minimum endurance of 8kV.
- Capacitance is small with 10pF (at $V_R=0V, f=1MHz$) between the terminal. It is excellent in the frequency characteristic.
- With 4 elements mouted (common anode) in the 5-pin mini mold package, that product can cope with high density assembling.
- Lead free in comply with EU RoHS 2002/95/EC directives.
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

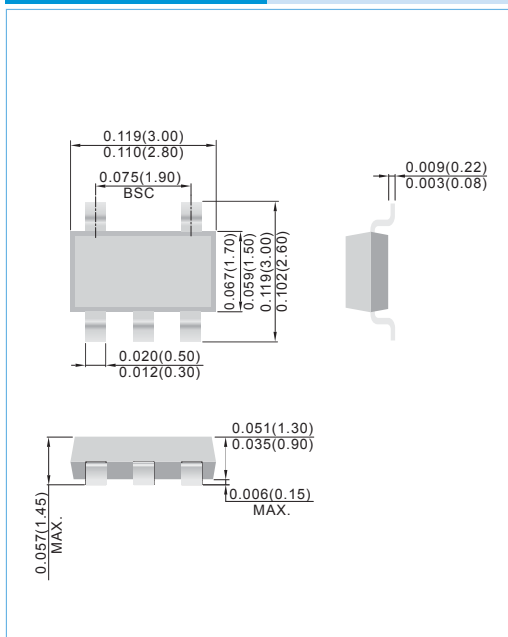
Case : SOT23-5L, Plastic

Terminals : Solderable per MIL-STD-750, Method 2026

Approx. Weight: 0.015 gram

SOT23-5L

Unit : inch(mm)

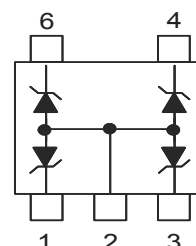


MAXIMUM RATINGS

Rating	Symbol	Value	Unit
Peak Dissipation	P	200	mW
Surge Reverse Power	P_{RSM}	2	W
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 to 150	°C

ELECTRICAL CHARACTERISTICS

Part Number	Breakdown Voltage V_{BR} Note 1			Dynamic impedance Z_z (Ω)		Reverse Leakage I_R (μA)		Capacitance C_t (pF)		ESD Voltage (kV) Note 3		Marking Code
	MIN.	MAX.	I_T									
	V	V	mA	MAX.	I_T (mA)	MAX.	V_R (V)	TYP.	Test Condition	MIN.	Test Condition	
PJESD5V6LC-4	5.32	5.88	1	80	5	0.5	3.3	10	$V_R=0V$ $f=1MHz$	8	$C=150pF$ $R=300\Omega$ Contact discharge	SAT
PJESD6V2LC-4	5.89	6.51	1	50	5	0.5	4.3	8		8		SAU
PJESD6V8LC-4	6.37	7.04	1	30	5	0.5	5.0	7		8		SAV



PJESD5V6LC-4~PJESD6V8LC-4

TYPICAL CHARACTERISTICS ($T_A=25^\circ\text{C}$)

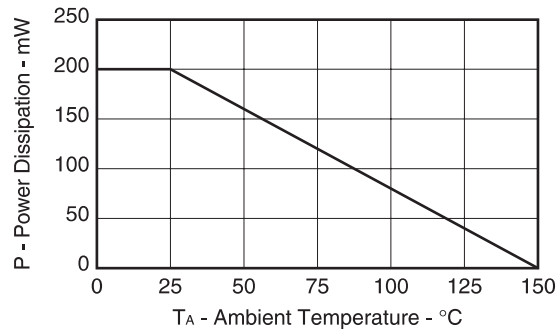


Figure1.P-TA RATING

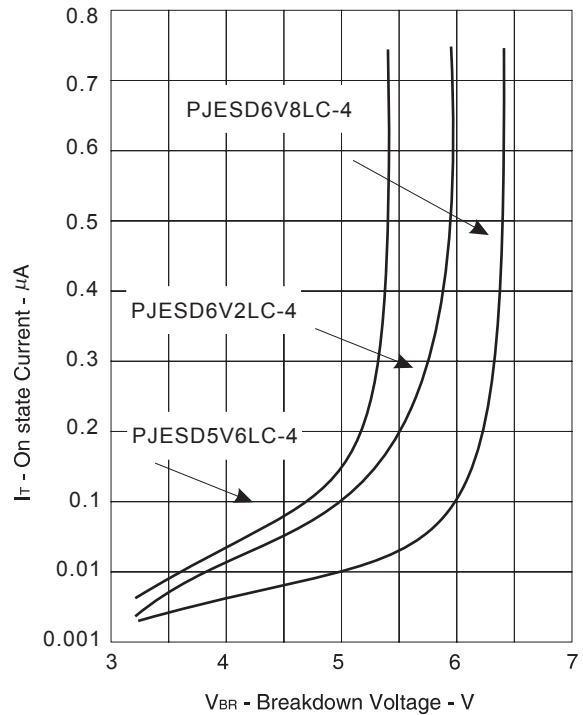


Figure 2.IT-VBR CHARACTERISTICS

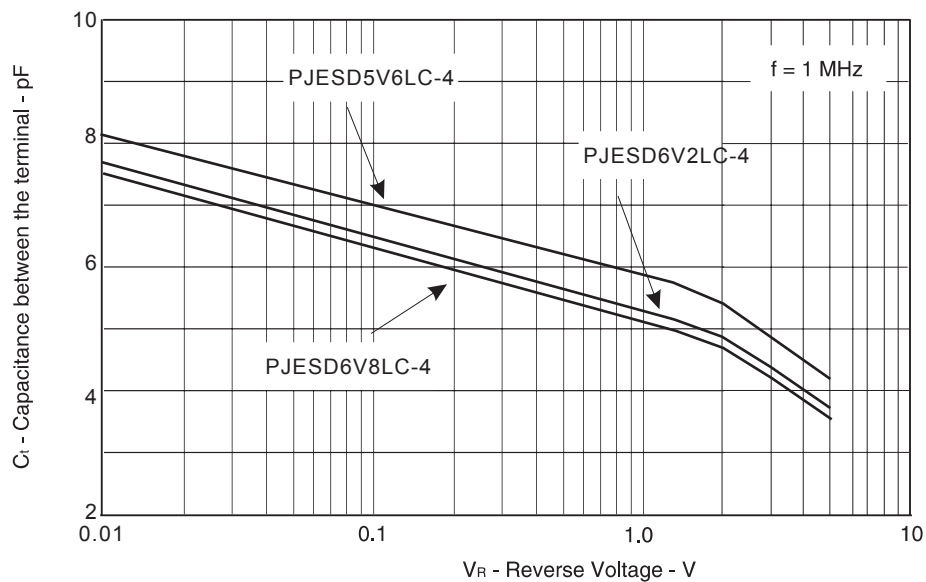


Figure 3.CT-VR CHARACTERISTICS

PJESD5V6LC-4~PJESD6V8LC-4

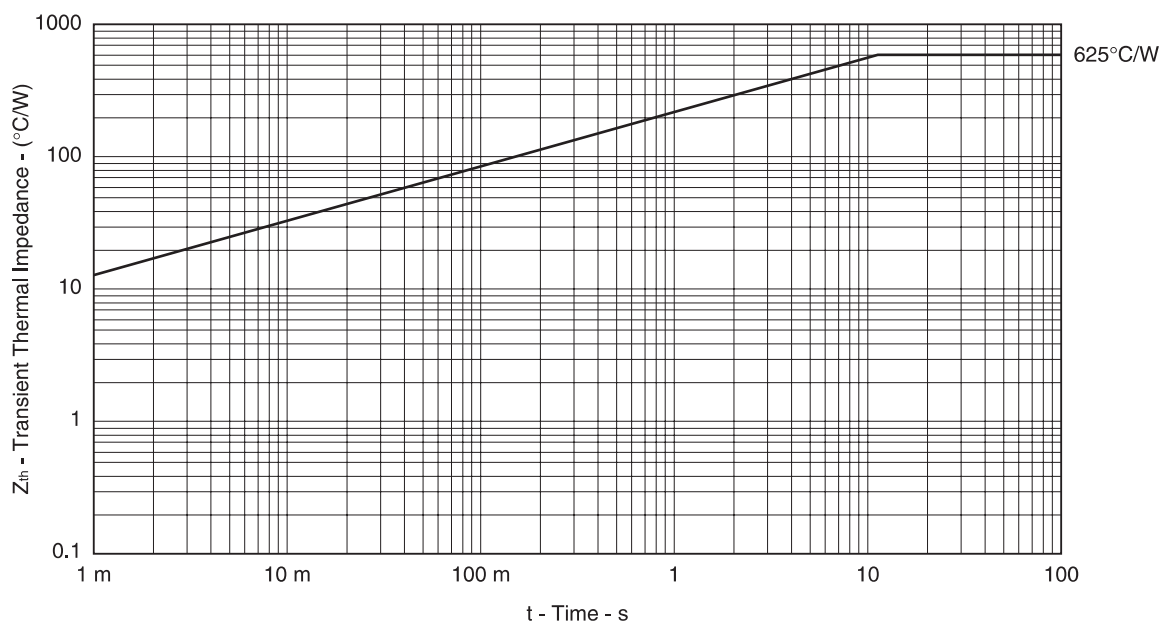


Figure 4. TRANSIENT THERMAL IMPEDANCE

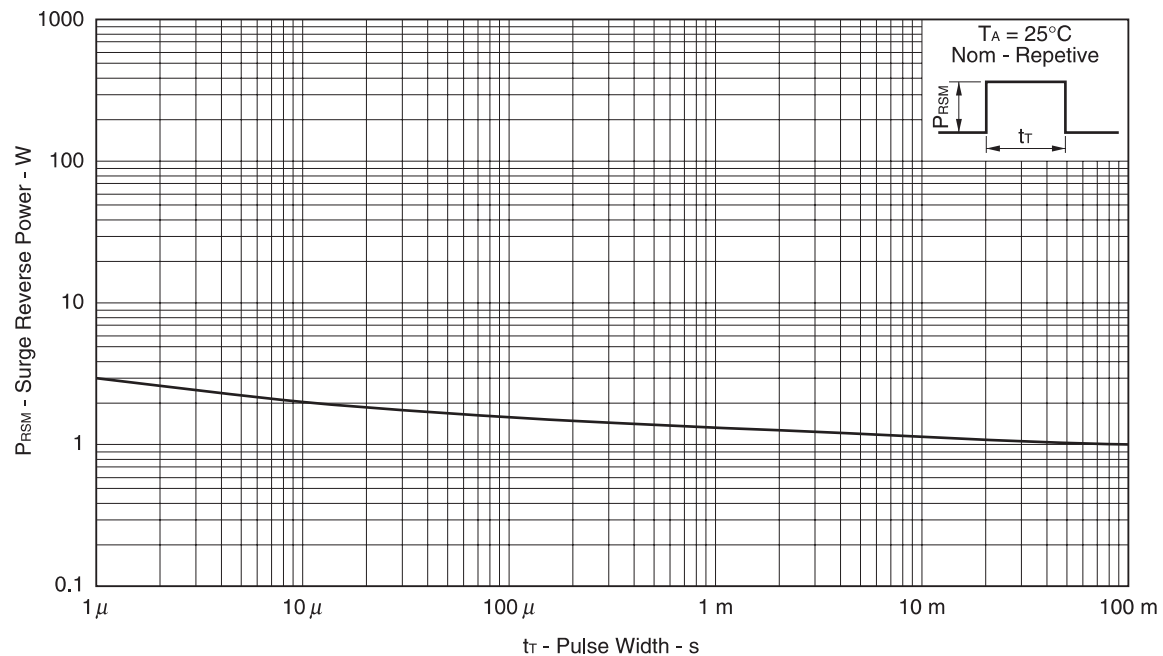
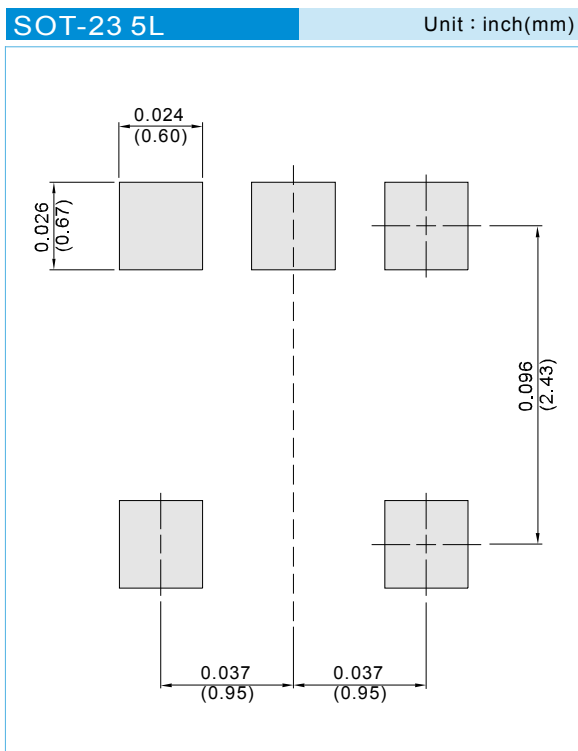


Figure 5. SURGE REVERSE POWER RATING

PJESD5V6LC-4~PJESD6V8LC-4

MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information

T/R - 3K per 7" plastic Reel

T/R - 10K per 13" plastic Reel