



PJESD6V2LC-4-AU SERIES

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 mounted (common anode) in the 5-pin mini mold package, that product can cope with high density assembling.
- Acquire quality system certificate : TS16949
- AEC-Q101 qualified
- Lead free in comply with EU RoHS 2011/65/EU directives
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

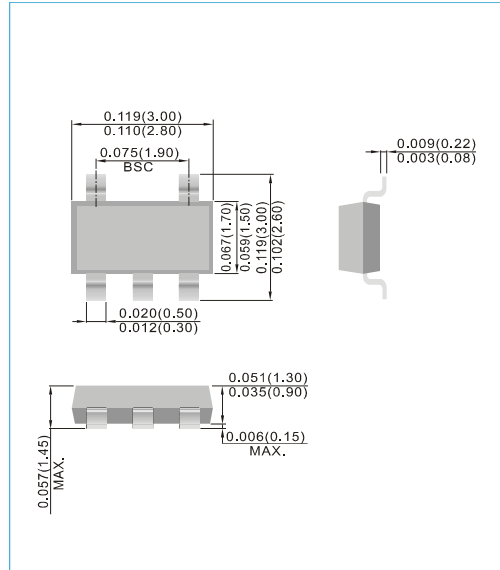
Case : SOT-23 5L, Plastic

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

Approx. Weight : 0.015 gram

SOT-23 5L

Unit : inch(mm)

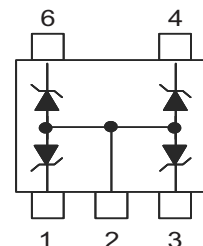


MAXIMUM RATINGS

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}			Dynamic impedance Z_z (Ω)		Reverse Leakage I_R (μA)		Capacitance C_t (pF)		ESD Voltage (kV)		Marking Code
	MIN.	MAX.	I_t	MAX.	I_t (mA)	MAX.	V_R (V)	TYP.	Test Condition	MIN.	Test Condition	
	V	V	mA	MAX.	mA	MAX.	V					
PJESD6V2LC-4-AU	5.89	6.51	1	50	5	0.5	4.3	8	$V_R=0V$ $f=1MHz$	8	C=150pF R=300 Ω Contact discharge	SAU
PJESD6V8LC-4-AU	6.37	7.04	1	30	5	0.5	5	7		8		SAV





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TYPICAL CHARACTERISTICS (T_A=25°C)

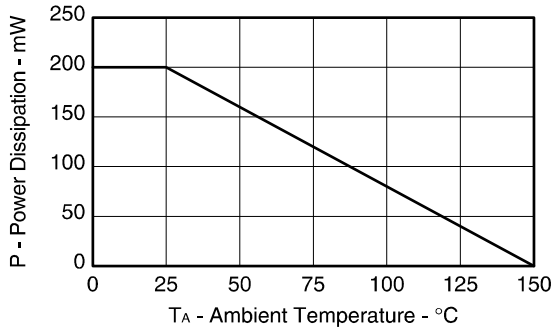


Figure 1.P-TA RATING

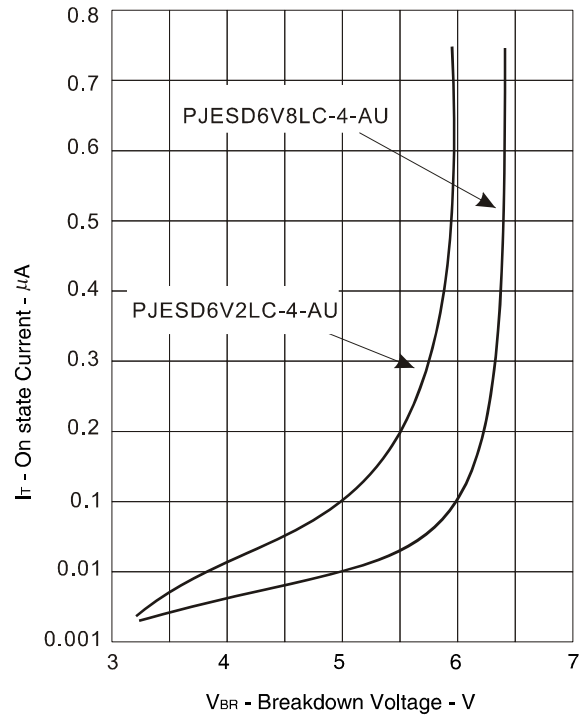


Figure 2.IT-VBR CHARACTERISTICS

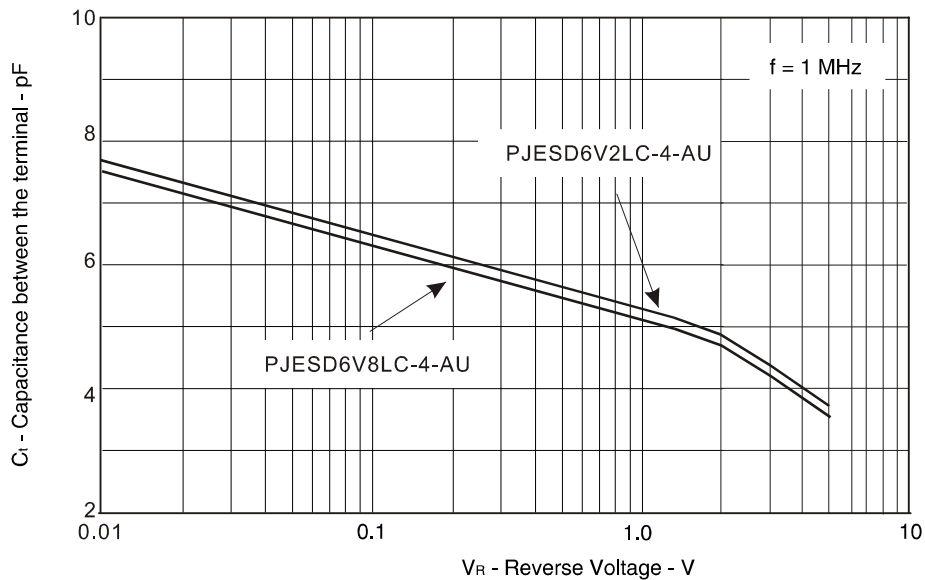


Figure 3.CT-VR CHARACTERISTICS



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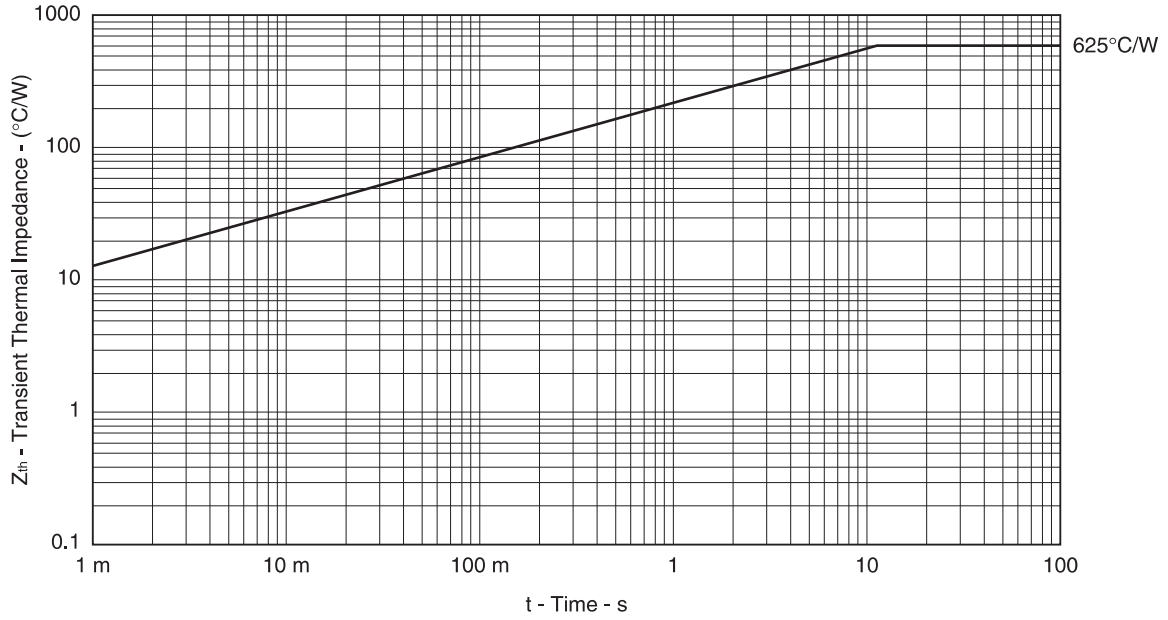


Figure 4. TRANSIENT THERMAL IMPEDANCE

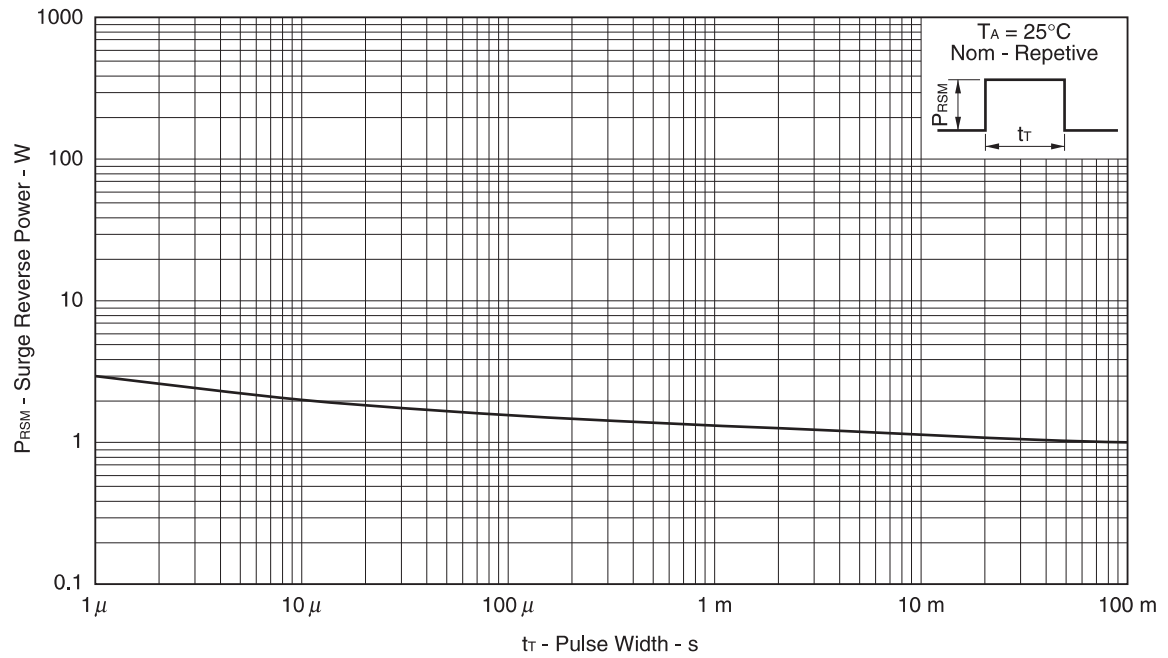
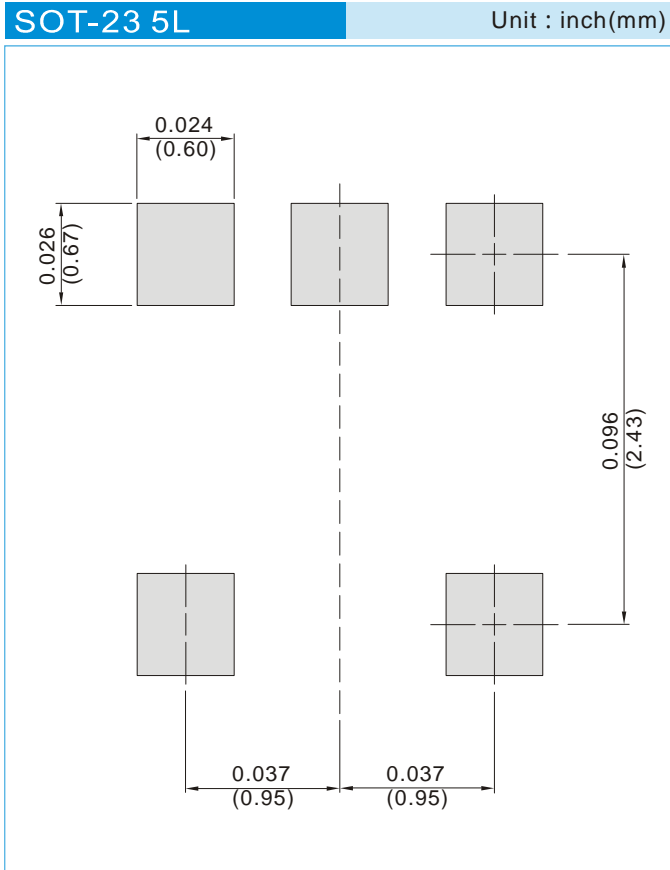


Figure 5. SURGE REVERSE POWER RATING



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MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
T/R - 12K per 13" plastic Reel
T/R - 5K per 7" plastic Reel



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Part No_packing code_Version

PJESD6V2LC-4-AU_R1_000A1

PJESD6V2LC-4-AU_R2_000A1

For example :

RB500V-40_R2_00001



Packing Code XX				Version Code XXXXX		
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	B	13"	2			
Tube Packing (T/P)	T	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			



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