

TECHNICAL DATA DATASHEET 5337, Rev. E

High Power TVS Module (100KW / 1600A) for Lightning Strike Protection in Composite Frame Aircraft

Application:

- Lightning strike protection
- 28V system bus protection
- 100% tested to 1600A peak current
- Surface mount or Through Hole option
- High power dissipation and bi-directional capability
- Low cost package
- Through Hole Version LSP28A-1600-41
- Surface Mount Version LSP28B-1600-41



DO-160 Section 22 Waveform 5 Level 5A waveform Compliant



Electrical Characteristics:

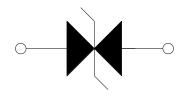
 $T_i = 25^{\circ}$ C unless otherwise specified

PARAMETER		SYMBOL	MIN	TYP	MAX	UNIT
Peak Pulse Power	50/500 µs waveform	P _{PPM}	-	100	-	KW
Peak Pulse Current	50/500 µs waveform	I _{PPM}	1600	-	-	А
Clamp Voltage @ I _{PPM}	50/500 µs waveform	V _{CL}	-	56	60	V
Reverse Standoff Voltage		V_{RWM}	36	-	-	V
Reverse Leakage Current @ V _{RW}	И	I _R	-	-	30	μΑ
Breakdown Voltage @ I _T = 5mA		V_{BR}	41	-	46	V

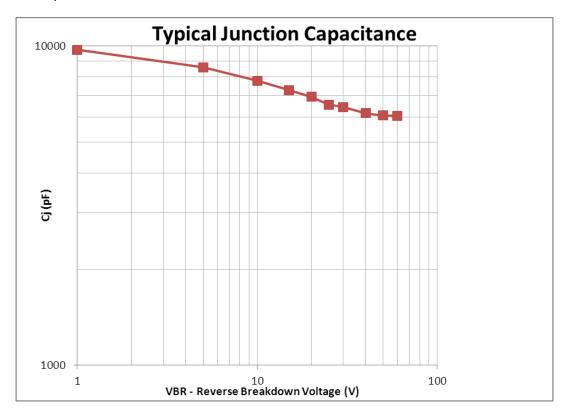
Package Characteristics

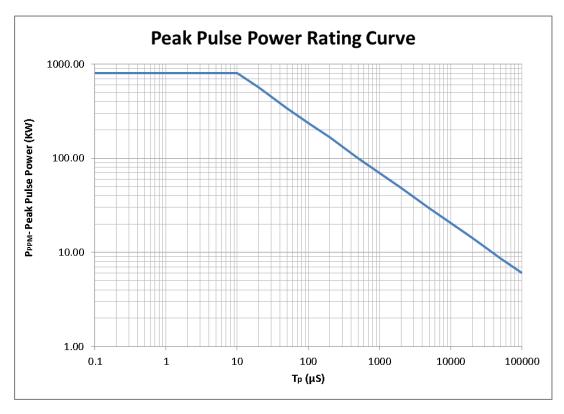
Recommended Operating Temperature Range	T _{OP}	- 40	-	85	°С
Junction Temperature Range	T _J	-40	-	150	°C
Storage Temperature Range	Ts	- 55	-	150	°С
Module Weight	М	-	-	8.5	gms

Electrical Schematic



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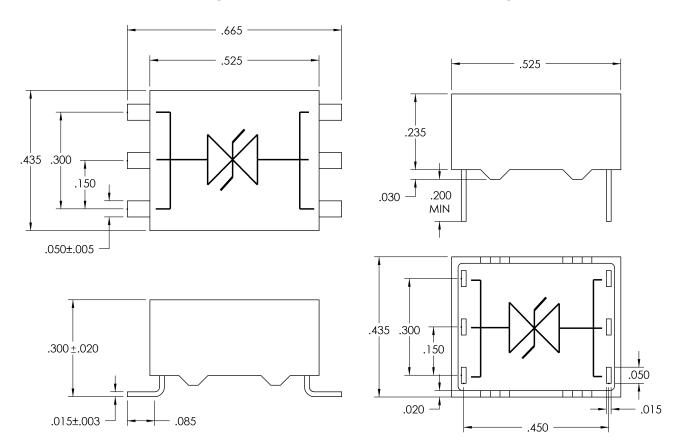




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Mechanical Drawing

LSP28B-1600-41 Package: LSP-B LSP28A-1600-41 Package: LSP-A



TOLERANCE UNLESS OTHERWISE NOTED = ±.010

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