

L2KE3V3K8-2



MAXIMUM RATINGS (Tj= 25°C unless otherwise noticed)

Rating		Value	Unit
Peak Pulse Power (tp = 8/20us)	Ррк	2400	W
Peak Pulse Current (tp = 8/20us)	Ipp	100	А
Operating Junction Temperature Range	TJ	-55 to + 125	°C
Storage Temperature Range	Tstg	-55 to + 150	°C
Soldering Temperature, t max = 10s	ΤL	260	°C

ELECTRICAL CHARACTERISTICS (Tj= 25°C unless otherwise noticed)

Parameter	Symbol	Conditions	Min	Тур	Мах	Unit
Reverse standoff voltage	V _{RWM}				2.8	V
Punch-Through Voltage	V _{PT}	I _{PT} = 2uA	3.5			V
Snap-Back Voltage	V _{SB}	I _{SB} = 50mA	2.8			V
Reverse leakage current	Iгм	V _{DRM} = 3.3V			1	uA
Clamping Voltage		I_{PP} = 50A, tp = 8/20µs, Any line to GND			11.5	V
		I_{PP} = 50A, tp = 8/20µs, Line to Line			15	V
	Vc	I_{PP} = 100A, tp = 8/20µs, Any line to GND			16	V
		I_{PP} = 100A, tp = 8/20µs, Line to Line			24	V
Junction capacitance	0	V_R = 0V, f = 1MHz, Line to Line		2.5	6.0	pF
	CJ -	V_R = 0V, f = 1MHz, Any line to GND		5.0	12	pF
	· ·			REV. 0, S	ep-2013,	KSIR75

RATING AND CHARACTERISTIC CURVES L2KE3V3K8-2

Figure 5. Typical Junction Capacitance

Marking & Orientation

Packaging Information

DEVICE	Q'TY/REEL	REEL DIA.	Q'TY/BOX	Q'TY/CARTON
	(PCS)	(INCH)	(PCS)	(PCS)
L2KE3V3K8-2	3000	13	6000	48K

POWER56 Soldering Pad Layout

Dim.	Millimeters	Inches
С	5.5	0.217
G	4.65	0.183
Р	1.27	0.050
Х	0.55	0.022
Y	0.85	0.034
Z	6.35	0.250

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