

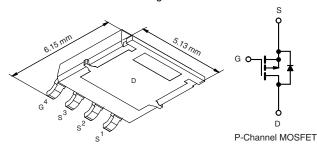
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Vishay Siliconix

# Automotive P-Channel 80 V (D-S) 175 °C MOSFET

PRODUCT SUMMARY	
V <sub>DS</sub> (V)	- 80
$R_{DS(on)}$ ( $\Omega$ ) at $V_{GS} = -10 \text{ V}$	0.025
$R_{DS(on)}(\Omega)$ at $V_{GS} = -6 \text{ V}$	0.029
I <sub>D</sub> (A)	- 32
Configuration	Single

## PowerPAK® SO-8L Single



### **FEATURES**

- Halogen-free According to IEC 61249-2-21 Definition
- TrenchFET® Power MOSFET
- AEC-Q101 Qualifiedd
- 100 % Rq and UIS Tested
- Compliant to RoHS Directive 2002/95/EC





COMPLIANT HALOGEN FREE

ORDERING INFORMATION	
Package	PowerPAK SO-8L
Lead (Pb)-free and Halogen-free	SQJ469EP-T1-GE3

PARAMETER		SYMBOL	LIMIT	UNIT	
Drain-Source Voltage		$V_{DS}$	- 80	V	
Gate-Source Voltage		$V_{GS}$	± 20		
Continuous Drain Currenta	T <sub>C</sub> = 25 °C	1	- 32		
Continuous Drain Current	T <sub>C</sub> = 125 °C	- I <sub>D</sub>	- 24		
Continuous Source Current (Diode Conduction) <sup>a</sup>		I <sub>S</sub>	- 32	А	
Pulsed Drain Current <sup>b</sup>		I <sub>DM</sub>	- 128		
Single Pulse Avalanche Current	. 0.4	I <sub>AS</sub>	- 45		
Single Pulse Avalanche Energy	L = 0.1 mH	E <sub>AS</sub>	101	mJ	
Maximum Power Dissipation <sup>b</sup>	T <sub>C</sub> = 25 °C	Б	100	w	
	T <sub>C</sub> = 125 °C	$P_{D}$	33		
Operating Junction and Storage Temperature Range		T <sub>J</sub> , T <sub>stg</sub>	- 55 to + 175	00	
Soldering Recommendations (Peak Temperature)e, f		-	260	°C	

THERMAL RESISTANCE RATINGS				
PARAMETER		SYMBOL	LIMIT	UNIT
Junction-to-Ambient	PCB Mount <sup>c</sup>	$R_{thJA}$	65	°C/W
Junction-to-Case (Drain)		$R_{thJC}$	1.5	C/VV

## Notes

- a. Package limited.
- b. Pulse test; pulse width  $\leq$  300 µs, duty cycle  $\leq$  2 %.
- c. When mounted on 1" square PCB (FR4 material).
- d. Parametric verification ongoing.
- e. See solder profile (<a href="https://www.vishay.com/doc?73257">www.vishay.com/doc?73257</a>). The PowerPAK SO-8L. The end of the lead terminal is exposed copper (not plated) as a result of the singulation process in manufacturing. A solder fillet at the exposed copper tip cannot be guaranteed and is not required to ensure adequate bottom side solder interconnection.
- f. Rework conditions: manual soldering with a soldering iron is not recommended for leadless components.



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PARAMETER	SYMBOL	TEST CONDITIONS		MIN.	TYP.	MAX.	UNIT
Static		-				l .	
Drain-Source Breakdown Voltage	V <sub>DS</sub>	V <sub>GS</sub> :	$V_{GS} = 0$ , $I_D = -250 \mu A$			-	W
Gate-Source Threshold Voltage	V <sub>GS(th)</sub>	V <sub>DS</sub> =	V <sub>GS</sub> , I <sub>D</sub> = - 250 μA	- 1.5	- 2.0	- 2.5	V
Gate-Source Leakage	I <sub>GSS</sub>	V <sub>DS</sub> =	$0 \text{ V}, \text{ V}_{GS} = \pm 20 \text{ V}$	-	-	± 100	nA
		V <sub>GS</sub> = 0 V	V <sub>DS</sub> = - 80 V	-	-	- 1	
Zero Gate Voltage Drain Current	I <sub>DSS</sub>	V <sub>GS</sub> = 0 V	V <sub>DS</sub> = - 80 V, T <sub>J</sub> = 125 °C	-	-	- 50	μΑ
		V <sub>GS</sub> = 0 V	V <sub>DS</sub> = - 80 V, T <sub>J</sub> = 175 °C	-	-	- 150	- V nA
On-State Drain Current <sup>a</sup>	I <sub>D(on)</sub>	V <sub>GS</sub> = - 10 V	V <sub>DS</sub> = -5 V	- 30		-	Α
		V <sub>GS</sub> = - 10 V	I <sub>D</sub> = - 10.2 A	-	0.021	0.025	Ω
Drain-Source On-State Resistancea		V <sub>GS</sub> = - 10 V	T <sub>J</sub> = 125 °C	-	0.036	0.043	
Drain-Source On-State Resistance	R <sub>DS(on)</sub>	V <sub>GS</sub> = - 10 V	T <sub>J</sub> = 175 °C	-	0.045	0.054	
		V <sub>GS</sub> = - 6 V	V <sub>GS</sub> = - 6 V	-	0.024	0.029	
Forward Transconductance <sup>b</sup>	9 <sub>fs</sub>	V <sub>DS</sub> = - 15 V, I <sub>D</sub> = - 10.2 A		-	35	-	S
Dynamic <sup>b</sup>							
Input Capacitance	C <sub>iss</sub>			-	4250	5100	
Output Capacitance	C <sub>oss</sub>	$V_{GS} = 0 V$	$V_{DS} = -40 \text{ V}, f = 1 \text{ MHz}$	-	250	300	pF
Reverse Transfer Capacitance	C <sub>rss</sub>			-	215	260	
Total Gate Charge <sup>c</sup>	Qg			-	101	155	
Gate-Source Charge <sup>c</sup>	Q <sub>gs</sub>	V <sub>GS</sub> = - 10 V	$V_{DS} = -40 \text{ V}, I_{D} = -10.2 \text{ A}$	-	13	-	nC
Gate-Drain Charge <sup>c</sup>	$Q_{gd}$			-	21	-	
Gate Resistance	R <sub>g</sub>	f = 1 MHz		1.8	3.2	4.6	Ω
Turn-On Delay Time <sup>c</sup>	t <sub>d(on)</sub>			-	16	20	
Rise Time <sup>c</sup>	t <sub>r</sub>	$V_{DD} = -40 \text{ V}, R_L = 4.9 \Omega$ $I_D \cong -8.1 \text{ A}, V_{GEN} = -10 \text{ V}, R_g = 1 \Omega$		-	16	20	ns
Turn-Off Delay Time <sup>c</sup>	t <sub>d(off)</sub>			-	150	180	
Fall Time <sup>c</sup>	t <sub>f</sub>			-	40	50	
Source-Drain Diode Ratings and Char	acteristics <sup>b</sup>						
Pulsed Current <sup>a</sup>	I <sub>SM</sub>			-	-	- 128	А
Forward Voltage	$V_{SD}$	I <sub>F</sub> =	- 8.1 A, V <sub>GS</sub> = 0	-	- 0.8	- 1.2	V

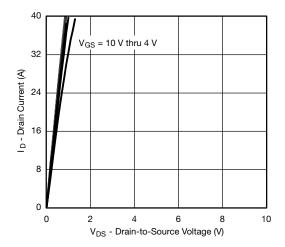
## Notes

- a. Pulse test; pulse width  $\leq$  300 µs, duty cycle  $\leq$  2 %.
- b. Guaranteed by design, not subject to production testing.
- c. Independent of operating temperature.

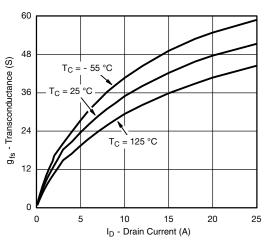
Stresses beyond those listed under "Absolute Maximum Ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated in the operational sections of the specifications is not implied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.



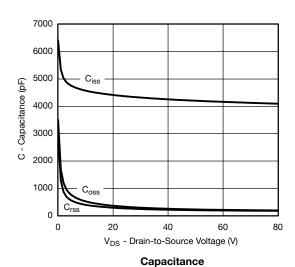
## TYPICAL CHARACTERISTICS (T<sub>A</sub> = 25 °C, unless otherwise noted)

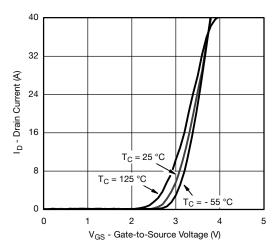


### **Output Characteristics**

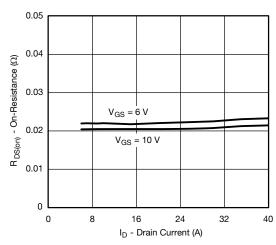


## Transconductance

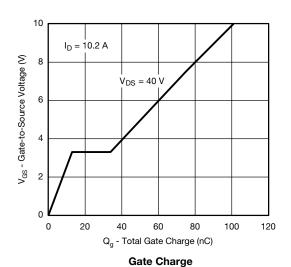




#### **Transfer Characteristics**

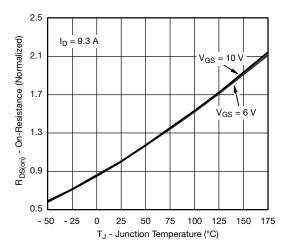


## On-Resistance vs. Drain Current

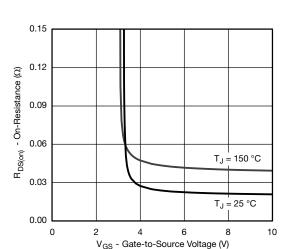




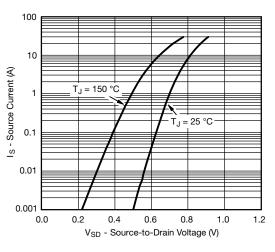
## **TYPICAL CHARACTERISTICS** (T<sub>A</sub> = 25 °C, unless otherwise noted)



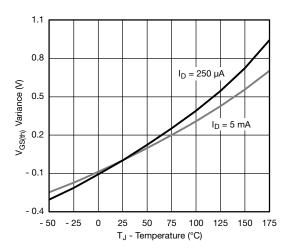
On-Resistance vs. Junction Temperature



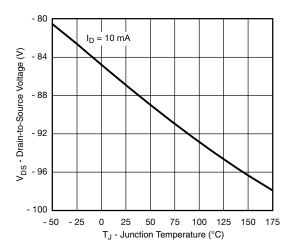
On-Resistance vs. Gate-to-Source Voltage



**Source Drain Diode Forward Voltage** 



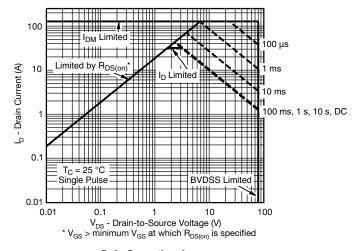
**Threshold Voltage** 



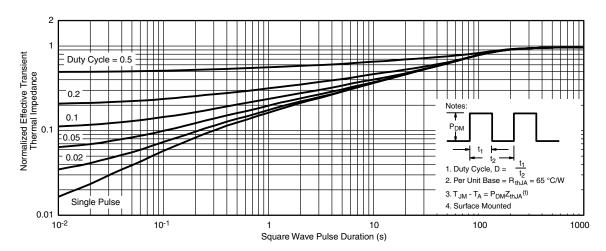
**Drain-Source Breakdown vs. Junction Temperature** 



## **THERMAL RATINGS** (T<sub>C</sub> = 25 °C, unless otherwise noted)



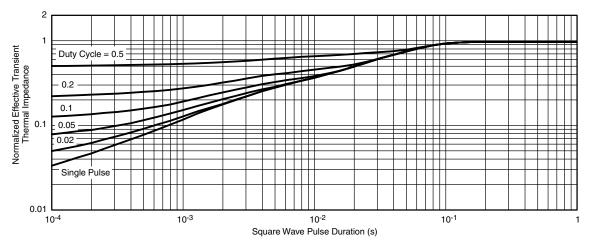
Safe Operating Area



Normalized Thermal Transient Impedance, Junction-to-Ambient

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## **THERMAL RATINGS** (T<sub>C</sub> = 25 °C, unless otherwise noted)



#### Normalized Thermal Transient Impedance, Junction-to-Case

#### Note

- The characteristics shown in the two graphs
  - Normalized Transient Thermal Impedance Junction-to-Ambient (25 °C)
  - Normalized Transient Thermal Impedance Junction-to-Case (25 °C)

are given for general guidelines only to enable the user to get a "ball park" indication of part capabilities. The data are extracted from single pulse transient thermal impedance characteristics which are developed from empirical measurements. The latter is valid for the part mounted on printed circuit board - FR4, size 1" x 1" x 0.062", double sided with 2 oz. copper, 100 % on both sides. The part capabilities can widely vary depending on actual application parameters and operating conditions.

Vishay Siliconix maintains worldwide manufacturing capability. Products may be manufactured at one of several qualified locations. Reliability data for Silicon Technology and Package Reliability represent a composite of all qualified locations. For related documents such as package/tape drawings, part marking, and reliability data, see <a href="https://www.vishay.com/ppg?65936">www.vishay.com/ppg?65936</a>.



# PowerPAK® SO-8L

Ordering codes for the SQ rugged series power MOSFETs in the PowerPAK SO-8L package:

SQJ200EP         SQJ200EPTIGE3           SQJ202EPTIGE3         SQJ202EPTIGE3           SQJ401EP         SQJ401EPTIGE3           SQJ402EPTIGE3         SQJ402EPTIGE3           SQJ402EPTIGE3         SQJ403EEPTIGE3           SQJ403EEPTIGE3         SQJ403EEPTIGE3           SQJ403EPTIGE3         SQJ403EPTIGE3           SQJ410EP         SQJ410EPTIGE3           SQJ410EPTIGE3         SQJ412EPTIGE3           SQJ412EP         SQJ412EPTIGE3           SQJ412EPTIGE3         SQJ412EPTIGE3           SQJ43EPTIGE3         SQJ43EPTIGE3           SQJ43EPTIGE3         SQJ43EPTIGE3           SQJ43EPTIGE3         SQJ43EPTIGE3           SQJ43EPTIGE3         SQJ43EPTIGE3           SQJ43EPTIGE3         SQJ43EPTIGE3           SQJ43EPTIGE3         SQJ43EPTIGE3           SQJ44SEP         SQJ45EPTIGE3           SQJ44SEPTIGE3         SQJ44SEPTIGE3           SQJ44SEPTIGE3         SQJ44SEPTIGE3           SQJ44SEPTIGE3         SQJ44SEPTIGE3           SQJ44SEPTIGE3         SQJ44SEPTIGE3           SQJ46GEP         SQJ46GEPTIGE3           SQJ46GEPTIGE3         SQJ46GEPTIGE3           SQJ46GEPTIGE3         SQJ46GEPTIGE3           SQJ46GEPTIGE3         SQJ46GE	DATASHEET PART NUMBER	OLD ORDERING CODE a	NEW ORDERING CODE
SOJ401EP         SOJ401EP-T1-GE3         SOJ402EP-T1-GE3           SOJ402EP         SOJ402EP-T1-GE3         SOJ402EP-T1-GE3           SOJ403EEP         SOJ403EEP-T1-GE3         SOJ403EEP-T1-GE3           SOJ403EP         -         SOJ403EP-T1-GE3           SOJ40EP         SOJ40EP-T1-GE3         SOJ40EP-T1-GE3           SOJ410EP         SOJ412EP-T1-GE3         SOJ412EP-T1-GE3           SOJ42EP-T1-GE3         SOJ42EP-T1-GE3         SOJ42EP-T1-GE3           SOJ43EP         SOJ43EP-T1-GE3         SOJ43EP-T1-GE3           SOJ43EP         SOJ43EP-T1-GE3         SOJ43EP-T1-GE3           SOJ43EP-T1-GE3         SOJ43EP-T1-GE3         SOJ43EP-T1-GE3           SOJ44GEP         -         SOJ45GP-T1-GE3           SOJ45GEP         SOJ45GP-T1-GE3         SOJ45GP-T1-GE3           SOJ46GEP         -         SOJ45GP-T1-GE3           SOJ46GEP         SOJ46GP-T1-GE3         SOJ46GP-T1-GE3           SOJ46GEP-T1-GE3         SOJ46GP-T1-GE3         SOJ46GP-T1-GE3	SQJ200EP	-	SQJ200EP-T1_GE3
SQJ402EP         SQJ403EP-TI-GE3         SQJ403EP-TI-GE3           SQJ403EP-TI-GE3         SQJ403EP-TI-GE3         SQJ403EP-TI-GE3           SQJ403EP         -         SQJ403EP-TI-GE3           SQJ410EP         SQJ410EP-TI-GE3         SQJ410EP-TI-GE3           SQJ412EP         SQJ412EP-TI-GE3         SQJ412EP-TI-GE3           SQJ43EP         SQJ43EP-TI-GE3         SQJ43EP-TI-GE3           SQJ43EP         SQJ43EP-TI-GE3         SQJ43EP-TI-GE3           SQJ43EP         SQJ43EP-TI-GE3         SQJ43EP-TI-GE3           SQJ43EP         SQJ45EP-TI-GE3         SQJ43EP-TI-GE3           SQJ45EP-TI-GE3         SQJ45EP-TI-GE3         SQJ45EP-TI-GE3           SQJ45EP-TI-GE3         SQJ45EP-TI-GE3         SQJ45EP-TI-GE3           SQJ45EP-TI-GE3         SQJ45EP-TI-GE3         SQJ45EP-TI-GE3           SQJ46GEP-TI-GE3         SQJ46GEP-TI-GE3         SQJ46GEP-TI-GE3           SQJ46GEP         SQJ46GEP-TI-GE3         SQJ46GEP-TI-GE3           SQJ46GEP-TI-GE3	SQJ202EP	-	SQJ202EP-T1_GE3
SQJ403EEP         SQJ403EPT-TI-GE3         SQJ403EP-TI-GE3           SQJ403EP         SQJ403EP-TI-GE3         SQJ405EP-TI-GE3           SQJ410EP         SQJ410EP-TI-GE3         SQJ412EP-TI-GE3           SQJ412EP         SQJ412EP-TI-GE3         SQJ412EP-TI-GE3           SQJ431EP         SQJ431EP-TI-GE3         SQJ431EP-TI-GE3           SQJ431EP         SQJ431EP-TI-GE3         SQJ431EP-TI-GE3           SQJ443EP-TI-GE3         SQJ443EP-TI-GE3         SQJ443EP-TI-GE3           SQJ443EP-TI-GE3         SQJ446EP-TI-GE3         SQJ446EP-TI-GE3           SQJ45GEP         SQJ45GEP-TI-GE3         SQJ45GEP-TI-GE3           SQJ45GEP         SQJ45GEP-TI-GE3         SQJ46GEP-TI-GE3           SQJ46GEP-TI-GE3         SQJ46GEP-TI-GE3         SQJ46	SQJ401EP	SQJ401EP-T1-GE3	SQJ401EP-T1_GE3
SQJ403EP         SQJ410EP         SQJ410EPT1-GE3         SQJ410EPT1_GE3           SQJ412EP         SQJ412EPT1-GE3         SQJ412EPT1_GE3         SQJ412EPT1_GE3           SQJ42EP         SQJ42EPT1-GE3         SQJ42EPT1_GE3         SQJ43EPT1_GE3           SQJ43EP         SQJ43EPT1_GE3         SQJ43EPT1_GE3         SQJ43EPT1_GE3           SQJ443EP         SQJ443EPT1_GE3         SQJ443EPT1_GE3         SQJ443EPT1_GE3           SQJ446EP         SQJ456EPT1_GE3         SQJ45EPT1_GE3         SQJ45EPT1_GE3           SQJ456EP         SQJ456EPT1_GE3         SQJ45EPT1_GE3         SQJ45EPT1_GE3           SQJ460AEP         SQJ46EPT1_GE3         SQJ46EPT1_GE3         SQJ46EPT1_GE3           SQJ461EP         SQJ46EPT1_GE3         SQJ46EPT1_GE3         SQJ46EPT1_GE3           SQJ463EP         SQJ46SEPT1_GE3         SQJ46SEPT1_GE3         SQJ46SEPT1_GE3           SQJ46SEP         SQJ46SEPT1_GE3         SQJ46SEPT1_GE3         SQJ46SEPT1_GE3           SQJ46SEP         SQJ46SEPT1_GE3         SQJ46SEPT1_GE3         SQJ46SEPT1_GE3           SQJ48SEP         SQJ48SEPT1_GE3         SQJ48SEPT1_GE3         SQJ48SEPT1_GE3           SQJ48SEP         SQJ48SEPT1_GE3         SQJ48SEPT1_GE3         SQJ48SEPT1_GE3           SQJ44EPT1_GE3         SQJ48SEPT1_GE3         SQJ48GEPT	SQJ402EP	SQJ402EP-T1-GE3	SQJ402EP-T1_GE3
SQJ410EP         SQJ410EP-T1-GE3         SQJ410EP-T1-GE3           SQJ412EP         SQJ412EP-T1-GE3         SQJ412EP-T1-GE3           SQJ422EP         SQJ422EP-T1-GE3         SQJ422EP-T1-GE3           SQJ431EP         SQJ431EP-T1-GE3         SQJ431EP-T1-GE3           SQJ445EP         SQJ443EP-T1-GE3         SQJ443EP-T1-GE3           SQJ446EP         -         SQJ446EP-T1-GE3           SQJ456EP         SQJ456EP-T1-GE3         SQJ456EP-T1-GE3           SQJ456EP         -         SQJ456EP-T1-GE3           SQJ456EP         -         SQJ466EP-T1-GE3           SQJ461EP         -         SQJ461EP-T1-GE3           SQJ461EP         -         SQJ461EP-T1-GE3           SQJ463EP         -         SQJ463EP-T1-GE3           SQJ463EP         SQJ463EP-T1-GE3         SQJ463EP-T1-GE3           SQJ465EP         SQJ465EP-T1-GE3         SQJ465EP-T1-GE3           SQJ466EP         SQJ466EP-T1-GE3         SQJ466EP-T1-GE3           SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1-GE3           SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1-GE3           SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1-GE3           SQJ484EP-T1-GE3         SQJ484EP-T1-GE3         SQJ484EP-T1-GE3	SQJ403EEP	SQJ403EEP-T1-GE3	SQJ403EEP-T1_GE3
SQJ412EP         SQJ412EP-T1-GE3         SQJ422EP-T1-GE3           SQJ422EP         SQJ422EP-T1-GE3         SQJ422EP-T1-GE3           SQJ431EP         SQJ431EP-T1-GE3         SQJ432EP-T1-GE3           SQJ443EP         SQJ443EP-T1-GE3         SQJ443EP-T1-GE3           SQJ443EP         SQJ45GEP         SQJ44GEP-T1-GE3           SQJ45GEP         SQJ45GEP-T1-GE3         SQJ45GEP-T1-GE3           SQJ45GEP         SQJ45GEP-T1-GE3         SQJ46GEP-T1-GE3           SQJ46GAEP         SQJ46GEP-T1-GE3         SQJ46GEP-T1-GE3           SQJ46GEP         SQJ46GEP-T1-GE3         SQJ46GEP-T1-GE3           SQJ48GEP         SQJ48GEP-T1-GE3         SQJ46GEP-T1-GE3           SQJ48GEP         SQJ48GEP-T1-GE3         SQJ46GEP-T1-GE3           SQJ48GEP-T1-GE3         SQJ46GEP-T1-GE3         SQJ46GEP-T1-GE3           SQJ48GEP-T1-GE3         SQJ46GEP-T1-GE3         SQJ46GEP-T1-GE3           SQJ40AEP-T1-GE3         SQJ46GEP-T1-GE3         SQJ46GEP-T1-GE3           SQJ46GEP-T	SQJ403EP	-	SQJ403EP-T1_GE3
SQJ422EP         SQJ422EP-T1-GE3         SQJ422EP-T1-GE3           SQJ431EP         SQJ431EP-T1-GE3         SQJ431EP-T1-GE3           SQJ443EP         SQJ443EP-T1-GE3         SQJ443EP-T1-GE3           SQJ446EP         SQJ446EP         SQJ446EP-T1-GE3           SQJ456EP         SQJ456EP-T1-GE3         SQJ456EP-T1-GE3           SQJ459EP         SQJ456EP-T1-GE3         SQJ450EP-T1-GE3           SQJ460AEP         SQJ461EP         SQJ461EP-T1-GE3         SQJ461EP-T1-GE3           SQJ463EP         SQJ463EP-T1-GE3         SQJ463EP-T1-GE3         SQJ463EP-T1-GE3           SQJ463EP         SQJ463EP-T1-GE3         SQJ463EP-T1-GE3         SQJ469EP-T1-GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1-GE3         SQJ469EP-T1-GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1-GE3         SQJ469EP-T1-GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ460EP-T1-GE3         SQJ460EP-T1-GE3           SQJ460EP         SQJ469EP-T1-GE3         SQJ460EP-T1-GE3         SQJ460EP-T1-GE3           SQJ840EP         SQJ460EP-T1-GE3         SQJ460EP-T1-GE3         SQJ460EP-T1-GE3           SQJ840EP         SQJ460EP-T1-GE3         SQJ860EP-T1-GE3         SQJ860EP-T1-GE3           SQJ850EP         SQJ460EP-T1-GE3         SQJ860EP-T1-GE3	SQJ410EP	SQJ410EP-T1-GE3	SQJ410EP-T1_GE3
SQJ431EP         SQJ431EP-T1-GE3         SQJ431EP-T1-GE3           SQJ443EP         SQJ443EP-T1-GE3         SQJ443EP-T1-GE3           SQJ446EP         -         SQJ456EP-T1-GE3           SQJ456EP         SQJ456EP-T1-GE3         SQJ456EP-T1-GE3           SQJ459EP         -         SQJ456EP-T1-GE3           SQJ459EP         -         SQJ456EP-T1-GE3           SQJ461EP         -         SQJ461EP-T1-GE3           SQJ461EP         SQJ461EP-T1-GE3         SQJ461EP-T1-GE3           SQJ463EP         SQJ463EP-T1-GE3         SQJ463EP-T1-GE3           SQJ463EP         SQJ463EP-T1-GE3         SQJ463EP-T1-GE3           SQJ465EP         SQJ466EP-T1-GE3         SQJ469EP-T1-GE3           SQJ469EP         SQJ466EP-T1-GE3         SQJ469EP-T1-GE3           SQJ469EP         SQJ466EP-T1-GE3         SQJ469EP-T1-GE3           SQJ468EP         SQJ466EP-T1-GE3         SQJ469EP-T1-GE3           SQJ460AEP         SQJ460EP-T1-GE3         SQJ460EP-T1-GE3           SQJ460EP         SQJ460EP-T1-GE3         SQJ460EP-T1-GE3           SQJ460EP         SQJ460EP-T1-GE3         SQJ460EP-T1-GE3           SQJ460EP         SQJ460EP-T1-GE3         SQJ460EP-T1-GE3           SQJ460EP         SQJ460EP-T1-GE3         SQJ460EP-T1-GE3	SQJ412EP	SQJ412EP-T1-GE3	SQJ412EP-T1_GE3
SQJ443EP         SQJ443EP-T1-GE3         SQJ443EP-T1_GE3           SQJ446EP         -         SQJ46EP-T1_GE3           SQJ456EP         SQJ456EP-T1-GE3         SQJ456EP-T1_GE3           SQJ459EP         -         SQJ456EP-T1_GE3           SQJ460AEP         -         SQJ460EP-T1_GE3           SQJ461EP         SQJ461EP-T1-GE3         SQJ461EP-T1_GE3           SQJ463EP         SQJ465EP-T1-GE3         SQJ465EP-T1_GE3           SQJ465EP         SQJ465EP-T1-GE3         SQJ465EP-T1_GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1_GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1_GE3           SQJ468EP         SQJ468EP-T1-GE3         SQJ469EP-T1_GE3           SQJ468EP         SQJ468EP-T1-GE3         SQJ468EP-T1_GE3           SQJ468EP         SQJ468EP-T1-GE3         SQJ468EP-T1_GE3           SQJ468EP         SQJ468EP-T1-GE3         SQJ464EP-T1_GE3           SQJ464EP         SQJ464EP-T1-GE3         SQJ464EP-T1_GE3           SQJ464EP         SQJ464EP-T1-GE3         SQJ464EP-T1_GE3           SQJ464EP         SQJ464EP-T1-GE3         SQJ464EP-T1_GE3           SQJ464EP         SQJ464EP-T1-GE3         SQJ464EP-T1_GE3           SQJ464EP-T1_GE3         SQJ464EP-T1_GE3	SQJ422EP	SQJ422EP-T1-GE3	SQJ422EP-T1_GE3
SQJ446EP         SQJ456EP         SQJ456EP         SQJ456EP-T1-GE3         SQJ456EP-T1-GE3           SQJ459EP         -         SQJ459EP-T1_GE3         SQJ460AEP-T1_GE3           SQJ461EP         -         SQJ461EP-T1_GE3         SQJ461EP-T1_GE3           SQJ463EP         SQJ463EP-T1_GE3         SQJ465EP-T1_GE3         SQJ465EP-T1_GE3           SQJ465EP         SQJ465EP-T1-GE3         SQJ469EP-T1_GE3         SQJ469EP-T1_GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1_GE3         SQJ469EP-T1_GE3           SQJ488EP         SQJ486EP-T1-GE3         SQJ486EP-T1_GE3         SQJ486EP-T1_GE3           SQJ488EP         SQJ488EP-T1-GE3         SQJ480EP-T1_GE3         SQJ480EP-T1_GE3           SQJ460EP         SQJ480EP-T1-GE3         SQJ480EP-T1_GE3         SQJ480EP-T1_GE3           SQJ440EP         SQJ48AEP-T1-GE3         SQJ480EP-T1_GE3         SQJ480EP-T1_GE3           SQJ440EP         SQJ444EP-T1-GE3         SQJ480EP-T1_GE3         SQJ485EP-T1_GE3           SQJ485AEP         SQJ485AEP-T1-GE3         SQJ485EP-T1_GE3         SQJ485EP-T1_GE3           SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1_GE3         SQJ486EP-T1_GE3           SQJ4910AEP         SQJ490EP-T1-GE3         SQJ490EP-T1_GE3         SQJ490EP-T1_GE3           SQJ4910AEP<	SQJ431EP	SQJ431EP-T1-GE3	SQJ431EP-T1_GE3
SQJ456EP         SQJ456EP-T1-GE3         SQJ456EP-T1_GE3           SQJ459EP         -         SQJ459EP-T1_GE3           SQJ460AEP         -         SQJ460AEP-T1_GE3           SQJ461EP         SQJ461EP-T1-GE3         SQJ461EP-T1_GE3           SQJ463EP         SQJ463EP-T1-GE3         SQJ465EP-T1_GE3           SQJ465EP         SQJ465EP-T1-GE3         SQJ465EP-T1_GE3           SQJ466EP         SQJ466EP-T1-GE3         SQJ466EP-T1_GE3           SQJ466EP         SQJ466EP-T1-GE3         SQJ466EP-T1_GE3           SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1_GE3           SQJ488EP         SQJ488EP-T1-GE3         SQJ488EP-T1_GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ840EP-T1_GE3           SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1_GE3           SQJ844EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ961EP         SQJ961EP-T1-GE3 </td <td>SQJ443EP</td> <td>SQJ443EP-T1-GE3</td> <td>SQJ443EP-T1_GE3</td>	SQJ443EP	SQJ443EP-T1-GE3	SQJ443EP-T1_GE3
SQJ459EP         -         SQJ459EP-T1_GE3           SQJ460AEP         -         SQJ460AEP-T1_GE3           SQJ461EP         SQJ461EP-T1-GE3         SQJ461EP-T1_GE3           SQJ463EP         SQJ463EP-T1_GE3         SQJ463EP-T1_GE3           SQJ465EP         SQJ465EP-T1-GE3         SQJ465EP-T1_GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1_GE3           SQJ486EP         SQJ488EP-T1-GE3         SQJ486EP-T1_GE3           SQJ488EP         SQJ488EP-T1-GE3         SQJ488EP-T1_GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ500AEP-T1_GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ800EP-T1_GE3           SQJ840EP-T1_GE3         SQJ840EP-T1_GE3         SQJ840EP-T1_GE3           SQJ850EP-T1_GE3         SQJ850EP-T1_GE3         SQJ850EP-T1_GE3           SQJ850EP-T1_GE3         SQJ850EP-T1_GE3         SQJ850EP-T1_GE3           SQJ858AEP         SQJ858AEP-T1_GE3         SQJ850EP-T1_GE3           SQJ86EP         SQJ86EP-T1-GE3         SQJ86EP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ912AEP         SQJ912AEP-T1-GE3         SQJ912AEP-T1_GE3           SQJ95EP	SQJ446EP	-	SQJ446EP-T1_GE3
SQJ460AEP         -         SQJ461EP         SQJ461EP-T1_GE3         SQJ461EP-T1_GE3           SQJ463EP         SQJ463EP-T1-GE3         SQJ463EP-T1_GE3         SQJ465EP-T1_GE3         SQJ465EP-T1_GE3           SQJ465EP         SQJ465EP-T1-GE3         SQJ465EP-T1_GE3         SQJ466EP-T1_GE3         SQJ466EP-T1_GE3           SQJ466EP         SQJ466EP-T1-GE3         SQJ486EP-T1_GE3         SQJ486EP-T1_GE3         SQJ486EP-T1_GE3           SQJ488EP         SQJ486EP-T1-GE3         SQJ486EP-T1_GE3         SQJ486EP-T1_GE3         SQJ486EP-T1_GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ480EP-T1_GE3         SQJ840EP-T1_GE3         SQJ840EP-T1_GE3           SQJ844EP         SQJ844EP-T1-GE3         SQJ840EP-T1_GE3         SQJ850EP-T1_GE3         SQJ850EP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3         SQJ850EP-T1_GE3         SQJ850EP-T1_GE3           SQJ858AEP         SQJ858AEP-T1-GE3         SQJ858AEP-T1_GE3         SQJ858AEP-T1_GE3         SQJ858AEP-T1_GE3           SQJ850EP         SQJ856EP-T1-GE3         SQJ950AEP-T1_GE3         SQJ950AEP-T1_GE3           SQJ910AEP         SQJ910AEP-T1_GE3         SQJ910AEP-T1_GE3         SQJ942EP-T1_GE3           SQJ940EP         SQJ940EP-T1_GE3         SQJ942EP-T1_GE3         SQJ942EP-T1_GE3           SQJ951	SQJ456EP	SQJ456EP-T1-GE3	SQJ456EP-T1_GE3
SQJ461EP         SQJ461EP-T1-GE3         SQJ461EP-T1-GE3           SQJ463EP         SQJ463EP-T1-GE3         SQJ465EP-T1-GE3           SQJ465EP         SQJ465EP-T1-GE3         SQJ465EP-T1-GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1-GE3           SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1-GE3           SQJ488EP         SQJ488EP-T1-GE3         SQJ488EP-T1-GE3           SQJ488EP         SQJ488EP-T1-GE3         SQJ488EP-T1-GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ480EP-T1-GE3           SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1-GE3           SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1-GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1-GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1-GE3           SQJ850EP-T1-GE3         SQJ850EP-T1-GE3         SQJ850EP-T1-GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1-GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ950EP-T1-GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1-GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ940EP-T1-GE3           SQJ940EP         SQJ940EP-T1-GE3         SQJ942EP-T1-GE3           SQJ951EP <td>SQJ459EP</td> <td>-</td> <td>SQJ459EP-T1_GE3</td>	SQJ459EP	-	SQJ459EP-T1_GE3
SQJ463EP         SQJ463EP-T1-GE3         SQJ463EP-T1-GE3           SQJ465EP         SQJ465EP-T1-GE3         SQJ465EP-T1-GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1-GE3           SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1-GE3           SQJ486EP         SQJ488EP-T1-GE3         SQJ488EP-T1-GE3           SQJ488EP         SQJ488EP-T1-GE3         SQJ488EP-T1-GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ500AEP-T1-GE3           SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1-GE3           SQJ844AEP         SQJ840EP-T1-GE3         SQJ850EP-T1-GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1-GE3           SQJ858AEP         SQJ858AEP-T1-GE3         SQJ858AEP-T1-GE3           SQJ866EP         SQJ866EP-T1-GE3         SQJ866EP-T1-GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1-GE3           SQJ912AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1-GE3           SQJ940EP         SQJ940EP-T1-GE3         SQJ940EP-T1-GE3           SQJ942EP         SQJ942EP-T1-GE3         SQJ942EP-T1-GE3           SQJ951EP         SQJ951EP-T1-GE3         SQJ951EP-T1-GE3           SQJ956EP         SQJ956EP-T1-GE3         SQJ956EP-T1-GE3           SQJ960EP <td>SQJ460AEP</td> <td>-</td> <td>SQJ460AEP-T1_GE3</td>	SQJ460AEP	-	SQJ460AEP-T1_GE3
SQJ465EP         SQJ465EP-T1-GE3         SQJ465EP-T1_GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1_GE3           SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1_GE3           SQJ488EP         SQJ488EP-T1-GE3         SQJ488EP-T1_GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ500AEP-T1_GE3           SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1_GE3           SQJ844AEP         SQJ844AEP-T1-GE3         SQJ844AEP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ858AEP         SQJ858AEP-T1-GE3         SQJ858AEP-T1_GE3           SQJ866EP         SQJ866EP-T1-GE3         SQJ866EP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ912AEP         SQJ912AEP-T1-GE3         SQJ912AEP-T1_GE3           SQJ940EP         SQJ940EP-T1-GE3         SQJ940EP-T1_GE3           SQJ940EP         SQJ940EP-T1-GE3         SQJ940EP-T1_GE3           SQJ951EP         SQJ951EP-T1-GE3         SQJ951EP-T1_GE3           SQJ956EP         SQJ956EP-T1-GE3         SQJ956EP-T1_GE3           SQJ960EP-T1-GE3         SQJ960EP-T1_GE3         SQJ960EP-T1_GE3           SQJ	SQJ461EP	SQJ461EP-T1-GE3	SQJ461EP-T1_GE3
SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1_GE3           SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1_GE3           SQJ488EP         SQJ488EP-T1-GE3         SQJ488EP-T1_GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ500AEP-T1_GE3           SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1_GE3           SQJ844AEP         SQJ844AEP-T1-GE3         SQJ850EP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ858AEP         SQJ858AEP-T1-GE3         SQJ858AEP-T1_GE3           SQJ866EP         SQJ866EP-T1-GE3         SQJ866EP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ912AEP-T1_GE3           SQJ940EP         SQJ940EP-T1-GE3         SQJ940EP-T1_GE3           SQJ942EP         SQJ940EP-T1-GE3         SQJ942EP-T1_GE3           SQJ951EP         SQJ951EP-T1-GE3         SQJ951EP-T1_GE3           SQJ952EP         SQJ956EP-T1-GE3         SQJ956EP-T1_GE3           SQJ956EP         SQJ956EP-T1-GE3         SQJ966EP-T1_GE3           SQJ960EP         SQJ960EP-T1-GE3         SQJ960EP-T1_GE3           SQJ966EP         SQJ966EP-T1-GE3         SQJ966EP-T1_GE3           SQJ968EP <td>SQJ463EP</td> <td>SQJ463EP-T1-GE3</td> <td>SQJ463EP-T1_GE3</td>	SQJ463EP	SQJ463EP-T1-GE3	SQJ463EP-T1_GE3
SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1_GE3           SQJ488EP         SQJ488EP-T1-GE3         SQJ488EP-T1_GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ500AEP-T1_GE3           SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1_GE3           SQJ844AEP         SQJ844AEP-T1-GE3         SQJ844AEP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ858AEP         SQJ858AEP-T1-GE3         SQJ865EP-T1_GE3           SQJ866EP         SQJ866EP-T1-GE3         SQJ866EP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ912AEP         SQJ912AEP-T1-GE3         SQJ912AEP-T1_GE3           SQJ940EP         SQJ940EP-T1-GE3         SQJ942EP-T1_GE3           SQJ942EP         SQJ942EP-T1-GE3         SQJ942EP-T1_GE3           SQJ951EP         SQJ951EP-T1-GE3         SQJ951EP-T1_GE3           SQJ952EP         -         SQJ955EP-T1_GE3           SQJ956EP         SQJ956EP-T1-GE3         SQJ956EP-T1_GE3           SQJ960EP         SQJ960EP-T1-GE3         SQJ960EP-T1_GE3           SQJ960EP-T1_GE3         SQJ960EP-T1_GE3         SQJ960EP-T1_GE3           SQJ963EP         SQJ966EP-T1-GE3         SQJ966EP-T1_GE3           SQJ966EP-T1_GE3 <td>SQJ465EP</td> <td>SQJ465EP-T1-GE3</td> <td>SQJ465EP-T1_GE3</td>	SQJ465EP	SQJ465EP-T1-GE3	SQJ465EP-T1_GE3
SQJ488EP         SQJ488EP-T1-GE3         SQJ488EP-T1_GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ500AEP-T1_GE3           SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1_GE3           SQJ844AEP         SQJ844AEP-T1-GE3         SQJ850EP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ858AEP         SQJ858AEP-T1-GE3         SQJ856EP-T1_GE3           SQJ886EP         SQJ886EP-T1-GE3         SQJ886EP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ912AEP         SQJ912AEP-T1-GE3         SQJ912AEP-T1_GE3           SQJ940EP         SQJ940EP-T1-GE3         SQJ940EP-T1_GE3           SQJ942EP         SQJ942EP-T1-GE3         SQJ942EP-T1_GE3           SQJ951EP         SQJ951EP-T1-GE3         SQJ951EP-T1_GE3           SQJ952EP         -         SQJ956EP-T1_GE3           SQJ956EP         SQJ960EP-T1-GE3         SQJ960EP-T1_GE3           SQJ960EP         SQJ963EP-T1-GE3         SQJ963EP-T1_GE3           SQJ963EP         SQJ968EP-T1-GE3         SQJ968EP-T1_GE3           SQJ968EP         SQJ968EP-T1-GE3         SQJ968EP-T1_GE3           SQJ968EP         SQJ968EP-T1-GE3         SQJ968EP-T1_GE3	SQJ469EP	SQJ469EP-T1-GE3	SQJ469EP-T1_GE3
SQJ500AEP         SQJ500AEP-T1-GE3         SQJ500AEP-T1_GE3           SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1_GE3           SQJ844AEP         SQJ844AEP-T1-GE3         SQJ844AEP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ858AEP         SQJ858AEP-T1-GE3         SQJ858AEP-T1_GE3           SQJ866EP         SQJ866EP-T1-GE3         SQJ866EP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ912AEP         SQJ912AEP-T1-GE3         SQJ940EP-T1_GE3           SQJ940EP         SQJ940EP-T1-GE3         SQJ940EP-T1_GE3           SQJ942EP         SQJ942EP-T1-GE3         SQJ942EP-T1_GE3           SQJ951EP         SQJ951EP-T1-GE3         SQJ951EP-T1_GE3           SQJ952EP         -         SQJ956EP-T1_GE3           SQJ956EP         SQJ956EP-T1-GE3         SQJ956EP-T1_GE3           SQJ960EP         SQJ960EP-T1-GE3         SQJ960EP-T1_GE3           SQJ963EP         SQJ960EP-T1-GE3         SQJ963EP-T1_GE3           SQJ968EP         SQJ968EP-T1-GE3         SQJ968EP-T1_GE3           SQJ968EP         SQJ968EP-T1-GE3         SQJ968EP-T1_GE3	SQJ486EP	SQJ486EP-T1-GE3	SQJ486EP-T1_GE3
SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1_GE3           SQJ844AEP         SQJ844AEP-T1-GE3         SQJ844AEP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ858AEP         SQJ858AEP-T1-GE3         SQJ858AEP-T1_GE3           SQJ858AEP         SQJ858AEP-T1-GE3         SQJ886EP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ912AEP         SQJ912AEP-T1-GE3         SQJ912AEP-T1_GE3           SQJ940EP         SQJ940EP-T1-GE3         SQJ940EP-T1_GE3           SQJ942EP         SQJ942EP-T1-GE3         SQJ942EP-T1_GE3           SQJ951EP         SQJ951EP-T1-GE3         SQJ951EP-T1_GE3           SQJ952EP         -         SQJ955EP-T1_GE3           SQJ956EP         SQJ956EP-T1-GE3         SQJ956EP-T1_GE3           SQJ960EP         SQJ960EP-T1-GE3         SQJ960EP-T1_GE3           SQJ963EP         SQJ963EP-T1-GE3         SQJ963EP-T1_GE3           SQJ968EP         SQJ968EP-T1-GE3         SQJ968EP-T1_GE3           SQJ980AEP         SQJ980AEP-T1-GE3         SQJ980AEP-T1_GE3	SQJ488EP	SQJ488EP-T1-GE3	SQJ488EP-T1_GE3
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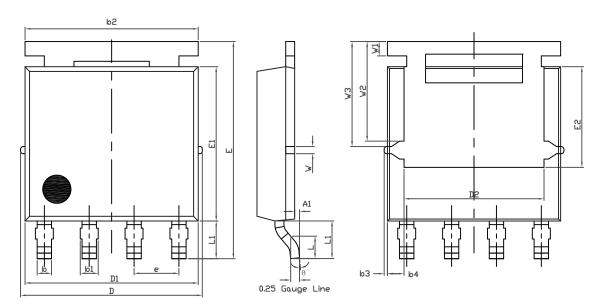
#### Note

a. Old ordering code is obsolete and no longer valid for new orders

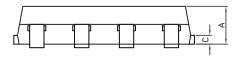


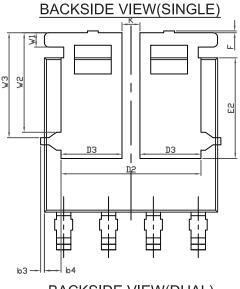
Vishay Siliconix

# PowerPAK® SO-8L Case Outline for Non-Al Parts



**TOPSIDE VIEW** 





BACKSIDE VIEW(DUAL)



Vishay Siliconix

DIM	MILLIMETERS			INCHES			
DIM.	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.	
Α	1.00	1.07	1.14	0.039	0.042	0.045	
A1	0.00	-	0.127	0.00	-	0.005	
b	0.33	0.41	0.48	0.013	0.016	0.019	
b1	0.44	0.51	0.58	0.017	0.020	0.023	
b2	4.80	4.90	5.00	0.189	0.193	0.197	
b3		0.094			0.004		
b4		0.47			0.019		
С	0.20	0.25	0.30	0.008	0.010	0.012	
D	5.00	5.13	5.25	0.197	0.202	0.207	
D1	4.80	4.90	5.00	0.189	0.193	0.197	
D2	3.86	3.96	4.06	0.152	0.156	0.160	
D3	1.63	1.73	1.83	0.064	0.068	0.072	
е		1.27 BSC			0.050 BSC		
E	6.05	6.15	6.25	0.238	0.242	0.246	
E1	4.27	4.37	4.47	0.168	0.172	0.176	
E2	3.18	3.28	3.38	0.125	0.129	0.133	
F	-	-	0.15	-	-	0.006	
L	0.62	0.72	0.82	0.024	0.028	0.032	
L1	0.92	1.07	1.22	0.036	0.042	0.048	
K		0.51			0.020		
W	0.23		0.009				
W1	0.41		0.016				
W2	2.82		0.111				
W3	2.96			0.117			
q	0°	-	10°	0°	-	10°	

ECN: C15-1122-Rev. C, 07-Sep-15

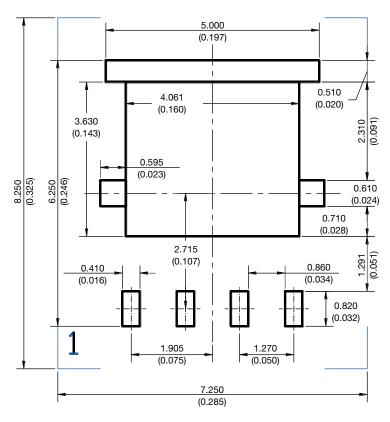
DWG: 5976

## Note

· Millimeters will gover



## RECOMMENDED MINIMUM PAD FOR PowerPAK® SO-8L SINGLE



Recommended Minimum Pads Dimensions in mm (inches)



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Vishay

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Revision: 02-Oct-12 Document Number: 91000

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IPS70R2K0CEAKMA1 BUK954R8-60E DMN3404LQ-7 NTE6400 SQJ402EP-T1-GE3 2SK2614(TE16L1,Q) 2N7002KW-FAI

DMN1017UCP3-7 EFC2J004NUZTDG ECH8691-TL-W FCAB21350L1 P85W28HP2F-7071 DMN1053UCP4-7 NTE221 NTE2384

NTE2903 NTE2941 NTE2945 NTE2946 NTE2960 NTE2967 NTE2969 NTE2976 NTE455 NTE6400A NTE2910 NTE2916 NTE2956

NTE2911 US6M2GTR TK10A80W,S4X(S SSM6P69NU,LF