

Dual Common Cathode Schottky Rectifier

FEATURES

- Low power loss, high efficiency
- Guardring for overvoltage protection
- High surge current capability
- UL Recognized File # E-326243
- Compliant to RoHS Directive 2011/65/EU and in accordance to WEEE 2002/96/EC
- Halogen-free according to IEC 61249-2-21 definition

MECHANICAL DATA

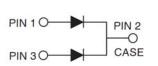
Case: TO-247AD (TO-3P)

Molding compound, UL flammability classification rating 94V-0 Base P/N with suffix "G" on packing code - halogen-free Base P/N with prefix "H" on packing code - AEC-Q101 qualified Terminal: Matte tin plated leads, solderable per JESD22-B102 Meet JESD 201 class 1A whisker test with prefix "H" on packing code meet JESD 201 class 2 whisker test Polarity: As marked Mounting torque: 10 in-lbs maximum Weight: 6.1 g (approximately)











MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T _A =25°C unless otherwise noted)									
PARAMETER	SYMBOL	SR 4020	SR 4030	SR 4040	SR 4050	SR 4060	SR 4090	SR 40100	UNIT
		РТ	РТ	РТ	РТ	РТ	РТ	РТ	
Maximum repetitive peak reverse voltage	V _{RRM}	20	30	40	50	60	90	100	V
Maximum RMS voltage	V _{RMS}	14	21	28	35	42	63	70	V
Maximum DC blocking voltage	V _{DC}	20	30	40	50	60	90	100	V
Maximum average forward rectified current	I _{F(AV)}			-	40				Α
Peak forward surge current, 8.3 ms single half sine-wave superimposed on rated load	I _{FSM}	400				А			
Maximum instantaneous forward voltage (Note 1) I_F = 20 A	V _F		0.55 0.70 0.90		90	V			
Maximum reverse current @ rated VR T_{J} =25 $^{\circ}$ C		1.0 0.5					.5		
T_J=100 ℃	I _R	30		20		-		mA	
T 」=125 ℃				-			1	0	
Typical thermal resistance	R _{eJC}	1.2				^o C/W			
Operating junction temperature range	TJ	- 55 to +125 - 55 to +150			°C				
Storage temperature range	T _{STG}	- 55 to +150			°C				

Note 1: Pulse test with PW=300µs, 1% duty cycle



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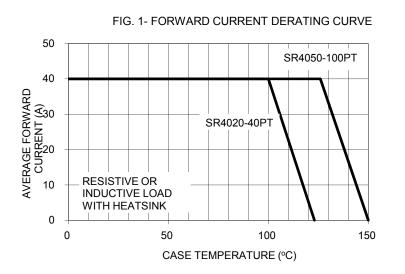
ORDERING INFORMATION							
PART NO. AEC-Q101		PACKING CODE	GREEN COMPOUND	PACKAGE	PACKING		
PART NO.	QUALIFIED		CODE	TACKAGE	FACKING		
SR40xxPT (Note 1)	Prefix "H"	C0	Suffix "G"	TO-3P	30 / Tube		
Note 1: "yy" defines veltage from 201/ (SP4020PT) to 1001/ (SP40100PT)							

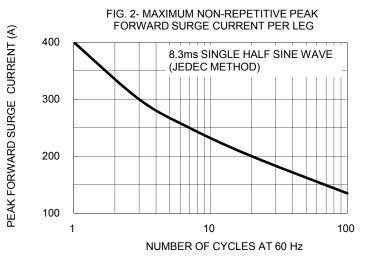
Note 1: "xx" defines voltage from 20V (SR4020PT) to 100V (SR40100PT)

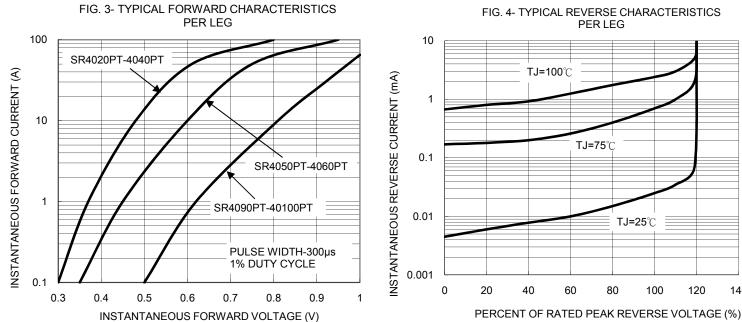
EXAMPLE						
PREFERRED P/N	PART NO.	AEC-Q101 QUALIFIED	PACKING CODE	GREEN COMPOUND CODE	DESCRIPTION	
SR4060PT C0	SR4060PT		C0			
SR4060PT C0G	SR4060PT		C0	G	Green compound	
SR4060PTHC0	SR4060PT	Н	C0		AEC-Q101 qualified	

RATINGS AND CHARACTERISTICS CURVES

(TA=25°C unless otherwise noted)







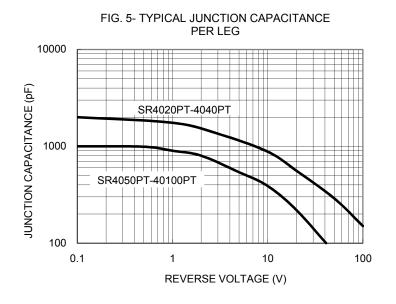


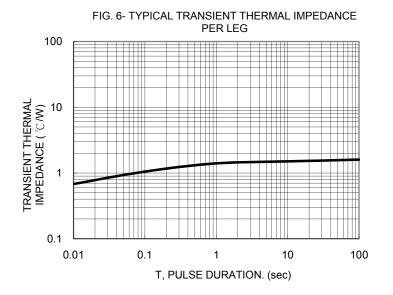
140



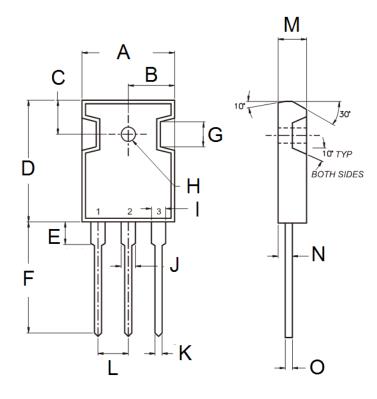
SR4020PT thru SR40100PT

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PACKAGE OUTLINE DIMENSIONS



P/N

YWW

G

F

DIM.	Unit	(mm)	Unit (inch)		
Dilvi.	Min	Max	Min	Max	
А	15.90	16.40	0.626	0.646	
В	7.90	8.20	0.311	0.323	
С	5.70	6.20	0.224	0.244	
D	20.80	21.30	0.819	0.839	
E	3.50	4.10	0.138	0.161	
F	19.70	20.20	0.776	0.795	
G	-	4.30	-	0.169	
Н	2.90	3.40	0.114	0.134	
I	1.93	2.18	0.076	0.086	
J	2.97	3.22	0.117	0.127	
K	1.12	1.22	0.044	0.048	
L	5.20	5.70	0.205	0.224	
М	4.90	5.16	0.193	0.203	
Ν	2.70	3.00	0.106	0.118	
0	0.51	0.76	0.020	0.030	

MARKING DIAGRAM



= Marking Code

= Green Compound

- = Date Code
- = Factory Code



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