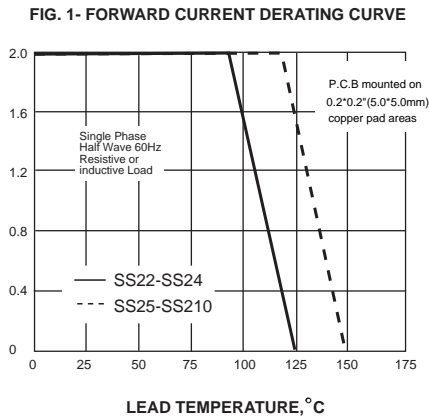


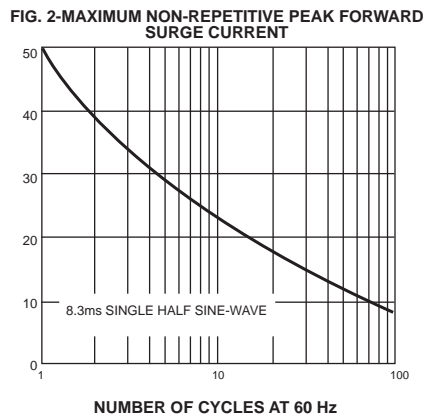
SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER	Reverse Voltage - 20 to 100 Volts Forward Current -2.0 Amperes																																																																																																																				
<p style="text-align: center;">DO-214AC/SMA</p> <p style="text-align: center; font-size: small;">Dimensions in inches and (millimeters)</p>	<p>Features</p> <ul style="list-style-type: none"> ◆ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0 ◆ For surface mounted applications ◆ Metal silicon junction, majority carrier conduction ◆ Low power loss, high efficiency ◆ Built-in strain relief, ideal for automated placement ◆ High forward surge current capability ◆ High temperature soldering guaranteed: 260°C/10 seconds at terminals <p>Mechanical Data</p> <p>Case: JEDEC DO-214AC molded plastic body Terminals: Solder plated, solderable per MIL-STD-750, Method 2026 Polarity: Color band denotes cathode end Mounting Position: Any Weight: 0.002 ounce, 0.07 grams</p>																																																																																																																				
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS																																																																																																																					
Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.																																																																																																																					
	<table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th style="width:15%;">SYMBOLS</th> <th>SS22</th> <th>SS23</th> <th>SS24</th> <th>SS25</th> <th>SS26</th> <th>SS28</th> <th>SS210</th> <th>UNITS</th> </tr> </thead> <tbody> <tr> <td>Maximum repetitive peak reverse voltage</td> <td>20</td> <td>30</td> <td>40</td> <td>50</td> <td>60</td> <td>80</td> <td>100</td> <td>V</td> </tr> <tr> <td>Maximum RMS voltage</td> <td>14</td> <td>21</td> <td>28</td> <td>35</td> <td>42</td> <td>56</td> <td>70</td> <td>V</td> </tr> <tr> <td>Maximum DC blocking voltage</td> <td>20</td> <td>30</td> <td>40</td> <td>50</td> <td>60</td> <td>80</td> <td>100</td> <td>V</td> </tr> <tr> <td>Maximum average forward rectified current at T_L(see fig.1)</td> <td colspan="7" style="text-align: center;">2.0</td> <td>A</td> </tr> <tr> <td>Peak forward surge current 8.3ms single half sine-wave superimposed on rated load</td> <td colspan="7" style="text-align: center;">50.0</td> <td>A</td> </tr> <tr> <td>Maximum instantaneous forward voltage at 2.0A</td> <td colspan="2" style="text-align: center;">0.55</td> <td colspan="2" style="text-align: center;">0.70</td> <td colspan="3" style="text-align: center;">0.85</td> <td>V</td> </tr> <tr> <td>Maximum DC reverse current at rated DC blocking voltage</td> <td colspan="2" style="text-align: center;">0.5</td> <td colspan="2" style="text-align: center;">0.1</td> <td colspan="3" style="text-align: center;">5.0</td> <td rowspan="2">mA</td> </tr> <tr> <td></td> <td colspan="2" style="text-align: center;">10.0</td> <td colspan="2" style="text-align: center;">5.0</td> <td colspan="3"></td> </tr> <tr> <td>Typical junction capacitance (NOTE 1)</td> <td colspan="3" style="text-align: center;">220</td> <td colspan="4" style="text-align: center;">180</td> <td>pF</td> </tr> <tr> <td>Typical thermal resistance (NOTE 2)</td> <td colspan="7" style="text-align: center;">70.0</td> <td>°C/W</td> </tr> <tr> <td>Operating junction temperature range</td> <td colspan="3" style="text-align: center;">-55 to +125</td> <td colspan="4" style="text-align: center;">-55 to +150</td> <td>°C</td> </tr> <tr> <td>Storage temperature range</td> <td colspan="7" style="text-align: center;">-55 to +150</td> <td>°C</td> </tr> </tbody> </table>	SYMBOLS	SS22	SS23	SS24	SS25	SS26	SS28	SS210	UNITS	Maximum repetitive peak reverse voltage	20	30	40	50	60	80	100	V	Maximum RMS voltage	14	21	28	35	42	56	70	V	Maximum DC blocking voltage	20	30	40	50	60	80	100	V	Maximum average forward rectified current at T _L (see fig.1)	2.0							A	Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	50.0							A	Maximum instantaneous forward voltage at 2.0A	0.55		0.70		0.85			V	Maximum DC reverse current at rated DC blocking voltage	0.5		0.1		5.0			mA		10.0		5.0					Typical junction capacitance (NOTE 1)	220			180				pF	Typical thermal resistance (NOTE 2)	70.0							°C/W	Operating junction temperature range	-55 to +125			-55 to +150				°C	Storage temperature range	-55 to +150							°C
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<p>Note: 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C. 2. P.C.B. mounted with 0.2x0.2" (5.0x5.0mm) copper pad areas</p>																																																																																																																					

RATINGS AND CHARACTERISTIC CURVES SS22 THRU SS210

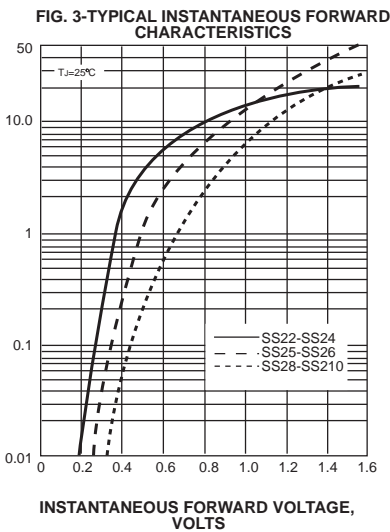
AVERAGE FORWARD RECTIFIED CURRENT, AMPERES



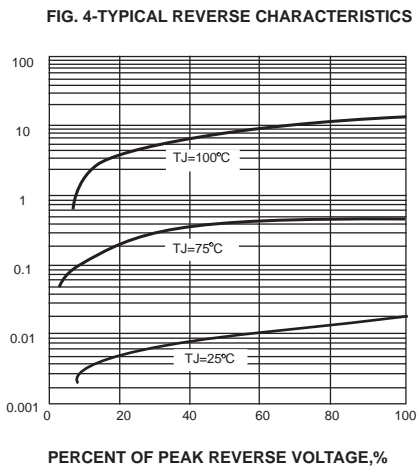
PEAK FORWARD SURGE CURRENT, AMPERES



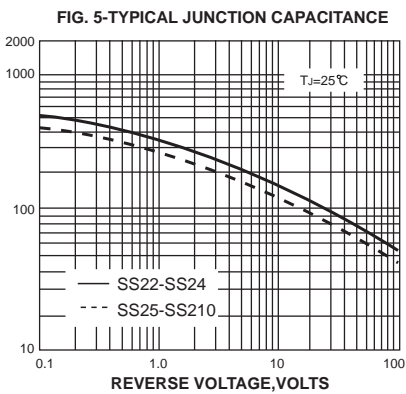
INSTANTANEOUS FORWARD CURRENT, AMPERES



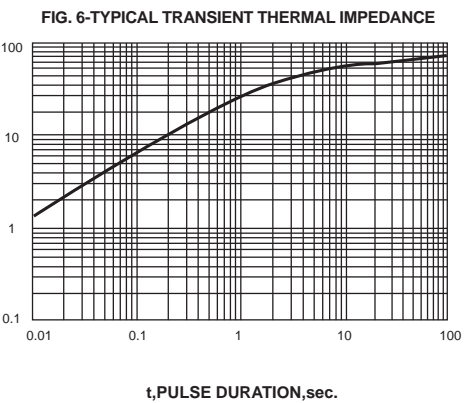
INSTANTANEOUS REVERSE CURRENT, MILLIAMPERES



JUNCTION CAPACITANCE, pF



TRANSIENT THERMAL IMPEDANCE, °C/W



单击下面可查看定价，库存，交付和生命周期等信息

[>>DIOS\(迪恩思\)](#)