

Part No. HSMP-386B-TR1

Preview **PDF** Download HTML**HSMP-386B-TR1 Datasheet (PDF) - Agilent(Hewlett-Packard)**

Part No.	HSMP-386B-TR1
Description	Surface Mount PIN Diodes
File Size	146.61 Kbytes
Html View	1 2 3 4 5 6 7 8 9
Manufacturer	HP [Agilent(Hewlett-Packard)]
Direct Link	http://www.home.agilent.com
Logo	

<ul style="list-style-type: none"> HSMP-386x Series <ul style="list-style-type: none"> Features Pin Connections Description/Applications Package Lead Code Absolute Maximum Ratings Electrical Specifications Typical Parameters Typical Performance Equivalent Circuit Model Typical Applications Ordering Information Option Descriptions Assembly Information Package Dimensions Package Characteristics Device Orientation Tape Dimensions 	<table border="1"> <tr> <td>I_f</td> <td>Forward Current (1 μs Pulse)</td> <td>Amp</td> <td>1</td> <td>1</td> </tr> <tr> <td>P_{IV}</td> <td>Peak Inverse Voltage</td> <td>V</td> <td>50</td> <td>50</td> </tr> <tr> <td>T_j</td> <td>Junction Temperature</td> <td>$^{\circ}$C</td> <td>150</td> <td>150</td> </tr> <tr> <td>T_{stg}</td> <td>Storage Temperature</td> <td>$^{\circ}$C</td> <td>-65 to 150</td> <td>-65 to 150</td> </tr> <tr> <td>θ_{jc}</td> <td>Thermal Resistance^[2]</td> <td>$^{\circ}$C/W</td> <td>500</td> <td>150</td> </tr> </table> <p>Notes:</p> <ol style="list-style-type: none"> Operation in excess of any one of these conditions may result in permanent damage to the device. $T_C = +25^{\circ}$C, where T_C is defined to be the temperature at the package pins where contact is made to the circuit board. 	I_f	Forward Current (1 μ s Pulse)	Amp	1	1	P_{IV}	Peak Inverse Voltage	V	50	50	T_j	Junction Temperature	$^{\circ}$ C	150	150	T_{stg}	Storage Temperature	$^{\circ}$ C	-65 to 150	-65 to 150	θ_{jc}	Thermal Resistance ^[2]	$^{\circ}$ C/W	500	150	<p>Handling Precautions Should Be Taken To Avoid Static Discharge.</p>																																										
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<p>PIN General Purpose Diodes, Typical Specifications $T_A = 25^{\circ}$C</p> <table border="1"> <thead> <tr> <th>Part Number HSMP-</th> <th>Package Marking Code</th> <th>Lead Code</th> <th>Configuration</th> <th>Minimum Breakdown Voltage V_{BR} (V)</th> <th>Typical Series Resistance R_S (Ω)</th> <th>Typical Total Capacitance C_T (pF)</th> </tr> </thead> <tbody> <tr> <td>3860</td> <td>L0^[1]</td> <td>0</td> <td>Single</td> <td rowspan="2">50</td> <td rowspan="2">3.0/1.5*</td> <td rowspan="2">0.20</td> </tr> <tr> <td>3862</td> <td>L2^[1]</td> <td>2</td> <td>Series</td> </tr> <tr> <td>3863</td> <td>L3^[1]</td> <td>3</td> <td>Common Anode</td> <td rowspan="2">50</td> <td rowspan="2">3.0/1.5*</td> <td rowspan="2">0.20</td> </tr> <tr> <td>3864</td> <td>L4^[1]</td> <td>4</td> <td>Common Cathode</td> </tr> <tr> <td>386B</td> <td>L0^[2]</td> <td>B</td> <td>Single</td> <td rowspan="2">50</td> <td rowspan="2">3.0/1.5*</td> <td rowspan="2">0.20</td> </tr> <tr> <td>386C</td> <td>L2^[2]</td> <td>C</td> <td>Series</td> </tr> <tr> <td>386E</td> <td>L3^[2]</td> <td>E</td> <td>Common Anode</td> <td rowspan="2">50</td> <td rowspan="2">3.0/1.5*</td> <td rowspan="2">0.20</td> </tr> <tr> <td>386F</td> <td>L4^[2]</td> <td>F</td> <td>Common Cathode</td> </tr> <tr> <td>386L</td> <td>LL^[2]</td> <td>L</td> <td>Unconnected Trio</td> <td rowspan="2">50</td> <td rowspan="2">3.0/1.5*</td> <td rowspan="2">0.20</td> </tr> <tr> <td colspan="4">Test Conditions</td> <td>$V_R = V_{BR}$ Measure $I_R \leq 10 \mu$A</td> <td>$I_F = 10$ mA $f = 100$ MHz $I_F = 100$ mA*</td> <td>$V_R = 50$ V $f = 1$ MHz</td> </tr> </tbody> </table> <p>Notes:</p> <ol style="list-style-type: none"> Package marking code is laser marked. 					Part Number HSMP-	Package Marking Code	Lead Code	Configuration	Minimum Breakdown Voltage V_{BR} (V)	Typical Series Resistance R_S (Ω)	Typical Total Capacitance C_T (pF)	3860	L0 ^[1]	0	Single	50	3.0/1.5*	0.20	3862	L2 ^[1]	2	Series	3863	L3 ^[1]	3	Common Anode	50	3.0/1.5*	0.20	3864	L4 ^[1]	4	Common Cathode	386B	L0 ^[2]	B	Single	50	3.0/1.5*	0.20	386C	L2 ^[2]	C	Series	386E	L3 ^[2]	E	Common Anode	50	3.0/1.5*	0.20	386F	L4 ^[2]	F	Common Cathode	386L	LL ^[2]	L	Unconnected Trio	50	3.0/1.5*	0.20	Test Conditions				$V_R = V_{BR}$ Measure $I_R \leq 10 \mu$ A	$I_F = 10$ mA $f = 100$ MHz $I_F = 100$ mA*	$V_R = 50$ V $f = 1$ MHz
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Part No.	Description	Html View	Manufacturer
MA4P1250	Surface Mount PIN Diodes	1 2 3	Tyco Electronics
1N4148WS	SURFACE MOUNT SWITCHING DIODES	1 2 3	Pan Jit International Inc.
1SMA5913BT3	PLASTIC SURFACE MOUNT ZENER DIODES 1.5 WATTS 3.3-68 VOLTS	1 2 3 4 5 More	Motorola, Inc
MPP4201	MONOLITHIC MICROWAVE SURFACE MOUNT MICRO-PAK PIN DIODES	1 2 3	Microsemi Corporation
HMPP-386X	MiniPak Surface Mount RF PIN Diodes	1 2 3 4 5 More	Agilent(Hewlett-Packard)
HSMP-38XX	Surface Mount PIN Diodes	1 2 3 4 5 More	Agilent(Hewlett-Packard)
HMPP-389X	MiniPak Surface Mount RF PIN Switch Diodes	1 2 3 4 5 More	Agilent(Hewlett-Packard)
HSMP-3890	Surface Mount RF PIN Switch Diodes	1 2 3 4 5 More	Agilent(Hewlett-Packard)
HSMP-381X	Surface Mount RF PIN Low Distortion Attenuator Diodes	1 2 3 4 5 More	Agilent(Hewlett-Packard)

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