

Part No. HSMP-3893-TR1

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HSMP-3893-TR1 Datasheet (PDF) - Agilent(Hewlett-Packard)

Part No.	HSMP-3893-TR1
Description	Surface Mount PIN Diodes
File Size	99.19 Kbytes
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Manufacturer	HP [Agilent(Hewlett-Packard)]
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Number HSMP-	Marking Code ^[1]	Lead Code	Configuration	Part No. 5082-	Voltage V _{BR} (V)	Resistance R _S (Ω)	Capacitance C _T (pF)	Resistance R _H (Ω)	Resistance R _L (Ω)
3800	D0	0	Single	3080	100	2.0	0.37	1000	8
3802	D2	2	Series						
3804	D4	4	Common Cathode						
3810	E0	0	Single	3081	100	3.0	0.35	1500	10
3812	E2	2	Series						
3813	E3	3	Common Anode						
3814	E4	4	Common Cathode						
Test Conditions					V _R = V _{BR} Measure I _R ≤ 10 ∞A	I _F = 100 mA f = 100 MHz	V _R = 50 V f = 1 MHz	I _F = 0.01 mA f = 100 MHz	I _F = 20 mA f = 100 MHz

PIN Switching Diodes
Electrical Specifications T_A = 25°C

Part Number HSMP-	Package Marking Code ^[1]	Lead Code	Configuration	Nearest Equivalent Axial Lead Part No. 5082-	Minimum Breakdown Voltage V _{BR} (V)	Maximum Series Resistance R _S (Ω)	Maximum Total Capacitance C _T (pF)	Maximum Shunt Mode Harmonic Distortion Hmd (dBc)
3820	F0	0	Single	3188	50	0.6*	0.8*	—
3822	F2	2	Series					
3823	F3	3	Common Anode					
3824	F4	4	Common Cathode					
3880	S0	0	Single	—	100	6.5	0.40	-55
3890	G0	0	Single	—	100	2.5	0.30**	—
3892	G2	2	Series					
3893	G3	3	Common Anode					
3894	G4	4	Common Cathode					
3895	G5	5	Unconnected Pair					
Test Conditions					V _R = V _{BR} Measure I _R ≤ 10 ∞A	I _F = 5 mA f = 100 MHz I _F = 10 mA*	V _R = 50 V f = 1 MHz V _R = 20 V* V _R = 5 V**	2 f _o , Z _o = 50 W f _o = 400 MHz P _{in} = +30 dBm 0 V bias

Note:
1. Package marking code is white.

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Related Electronics Part Number

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
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)
HMPP-389X	MiniPak Surface Mount RF PIN Switch Diodes	1 2 3 4 5 More	Agilent(Hewlett-Packard)
HSMP-386X	Surface Mount PIN Diodes	1 2 3 4 5 More	Agilent(Hewlett-Packard)
HMPP-386X	MiniPak Surface Mount RF PIN Diodes	1 2 3 4 5 More	Agilent(Hewlett-Packard)

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