



1A1G THRU 1A7G

General Purpose Rectifier

Features

- ✕ High efficiency
- ✕ High current capability
- ✕ High reliability
- ✕ High surge current capability
- ✕ Low power loss
- ✕ Glass passivated chip junction
- ✕ Solder dip 275 °C max, per JESD 22-B106

Mechanical Data

- ✕ Package: R-1
- Molding compound meets UL 94 V-0 flammability rating ,
- RoHS-compliant , Halogen free
- ✕ Terminals: Tin plated leads , solderable per J-STD-002 and JESD22-B102
- ✕ Polarity: Color band denotes cathode end

Maximum Ratings (Ta = 25°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	1A1G	1A2G	1A3G	1A4G	1A5G	1A6G	1A7G
Device marking code			1A1G	1A2G	1A3G	1A4G	1A5G	1A6G	1A7G
Maximum Repetitive Peak Reverse Voltage	VRRM	V	50	100	200	400	600	800	1000
Maximum RMS Voltage	VRMS	V	35	70	140	280	420	560	700
Maximum DC blocking Voltage	VDC	V	50	100	200	400	600	800	1000
Average Forward Current @60Hz sine wave , Resistance load , Tj = 75°C	IE(AV)	A	1.0						
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave , 1 cycle , Tj = 25°C	IFSM	A	30						
Forward Surge Current (Non-repetitive) @1ms , square wave , 1 cycle , Tj = 25°C			60						
Current squared time @1ms to 8.3ms Tj = 25°C	I²t	A²s	3.735						

UNIT

			TEST CONDITIONS	1A1G	1A2G	1A3G	1A4G	1A5G	1A6G	1A7G
Maximum instantaneous forward voltage drop per diode	VF	V	IFM = 1.0A	1.1						

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v7KHUPDO &KDUDÄ7WHUL8VQDHFVV RWKHUÄLVH VSHFLILHG

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7\SLFDO 7KHUPDO	5H5LVWDQFH								

v2UGHULQJ ,QIRUPBBSQRQ

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ΩOutline Dimensions



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