

Semiconductors

POWER RECTIFIER

PART NUMBER:JANTXV1N5617

PACKAGE STYLE:102

CONFIGURATION:SINGLE

ALL RATINGS ARE @ Tc = 25 °C UNLESS OTHERWISE SPECIFIED.

MAXIMUM RATINGS / Conditions	SYMBOL	MAX	UNITS
PEAK INVERSE VOLTAGE	PIV	400	Volts
MAXIMUM DC OUTPUT CURRENT @ Tc=55 °C)	Io	1	Amps
MAXIMUM DC OUTPUT CURRENT @ Tc=100 °C)	Io	0.75	Amps
MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT (t= 8.3ms, Sine)	IFSM	25	Amps
MAXIMUM THERMAL RESISTANCE	RØJC	38	°C/W
OPERATING TEMPERATURE	TJ(MAX)	-65 to +175	°C

ELECTRICAL CHARACTERISTICS / Conditions	SYMBOL	MAX	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (If = 3 Amps) Tj = 25 °C	Vf	1.6	Volts
MAXIMUM REVERSE CURRENT Tj = 25 °C Tj = 100 °C	Ir	0.5 25	uA uA
REVERSE RECOVERY TIME	trr	150	ns

MECHANICAL DIMENSIONS: In Inches / mm

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