

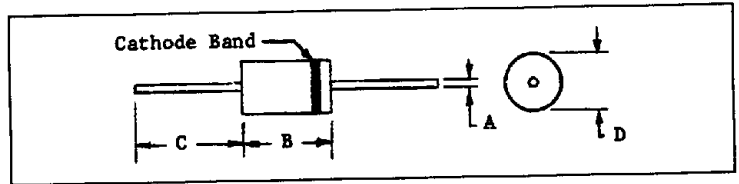


Fast Recovery High Voltage Power Rectifier H2613 SERIES

High Power
Avalanche Grade Junctions
Fast t_{rr}
High Purity Epoxy Encapsulated

LTR.	INCHES	MILLIMETERS
A	.05	1,27
B	.60	15,24
C	1.00 min	25,40 min
D	.40	10,16

Inch tolerances .XX = ± .02, .XXX = ± .005



MAXIMUM RATINGS (At $T_A = 25^\circ\text{C}$ unless otherwise noted)

RATINGS	SYMBOL	H2613-6	H2613-8	H2613-10	UNITS
Peak Reverse Voltage	V_{RM}	6	8	10	KV
Peak Surge Forward, 1/2 cycle @ 60 Hz (Non-Rep)	I_{FSM}		20		A
Average Forward Current @ $T_A 60^\circ\text{C}$ (Figure 2)	I_O		280		mA
Ambient Operating Temperature Range	T_A		- 40 to + 125		$^\circ\text{C}$
Storage Temperature Range	T_{STG}		- 40 to + 150		$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS (At $T_A = 25^\circ\text{C}$ unless otherwise noted)

CHARACTERISTICS	SYMBOL		UNITS
Maximum Forward Voltage Drop $I_F = 100\text{mA}$	V_{FM}	16	V
Maximum Reverse Current at $V_R = V_{RM}$	I_{RM}	10	μA
Maximum Reverse Recovery Time at $I_F = 50\text{mA}$, $I_R = -100\text{mA}$, and $I_{RR} = -25\text{mA}$ (Figure 2)	t_{rr}	250	nsec

FORWARD CURRENT VS. AMBIENT TEMPERATURE

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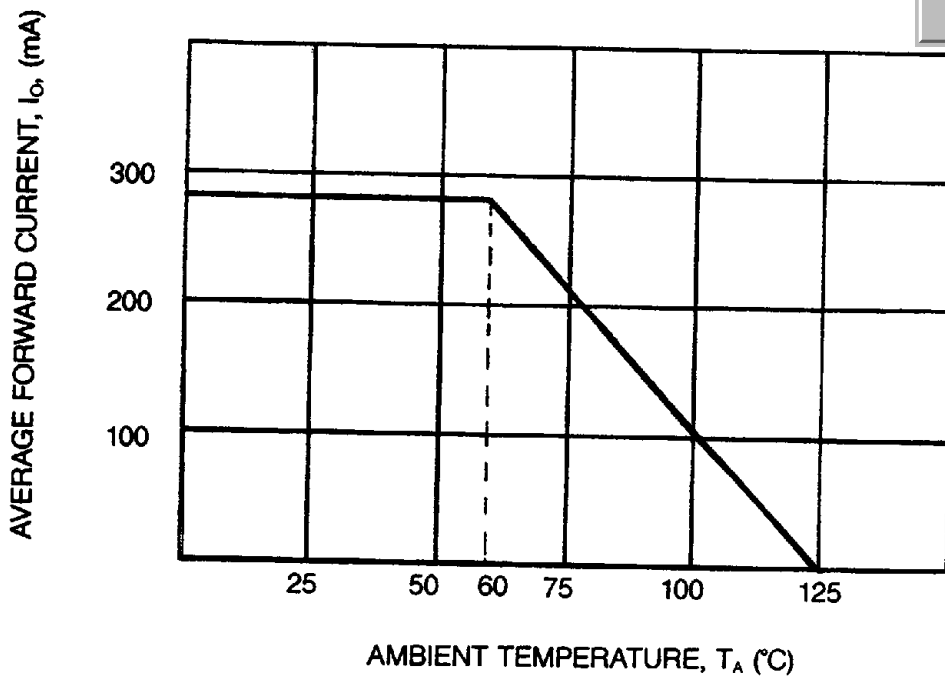


FIGURE 1

RECOVERY WAVE FORM

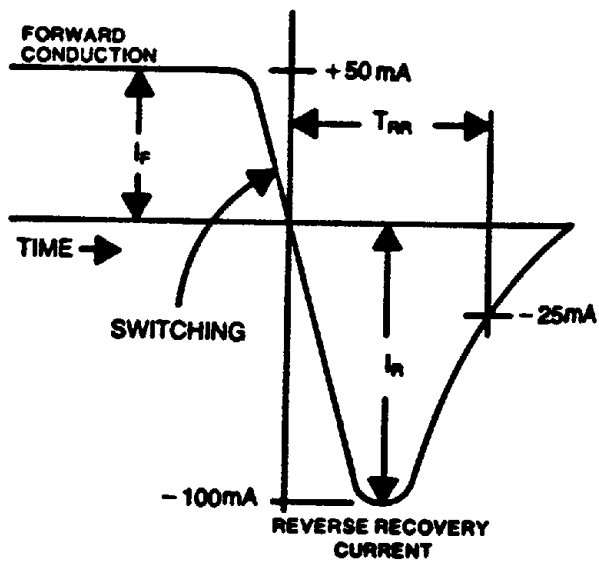


FIGURE 2