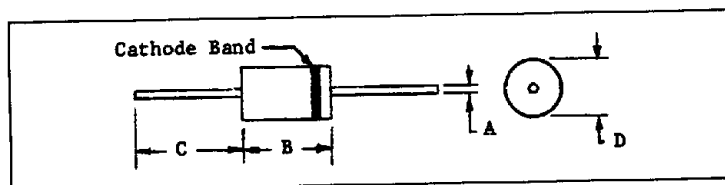


# Fast Recovery High Voltage Power Rectifier H2613 SERIES

High Power  
Avalanche Grade Junctions  
Fast  $t_r$   
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 =  $\pm .02$ , .XXX =  $\pm .005$



## 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, $\frac{1}{2}$ 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	$\mu\text{A}$
Maximum Reverse Recovery Time at $I_F = 50\text{mA}$ , $I_R = -100\text{mA}$ , and $I_{RR} = -25\text{mA}$ (Figure 2)	$t_r$	250	nsec

# FORWARD CURRENT VS. AMBIENT TEMPERATURE

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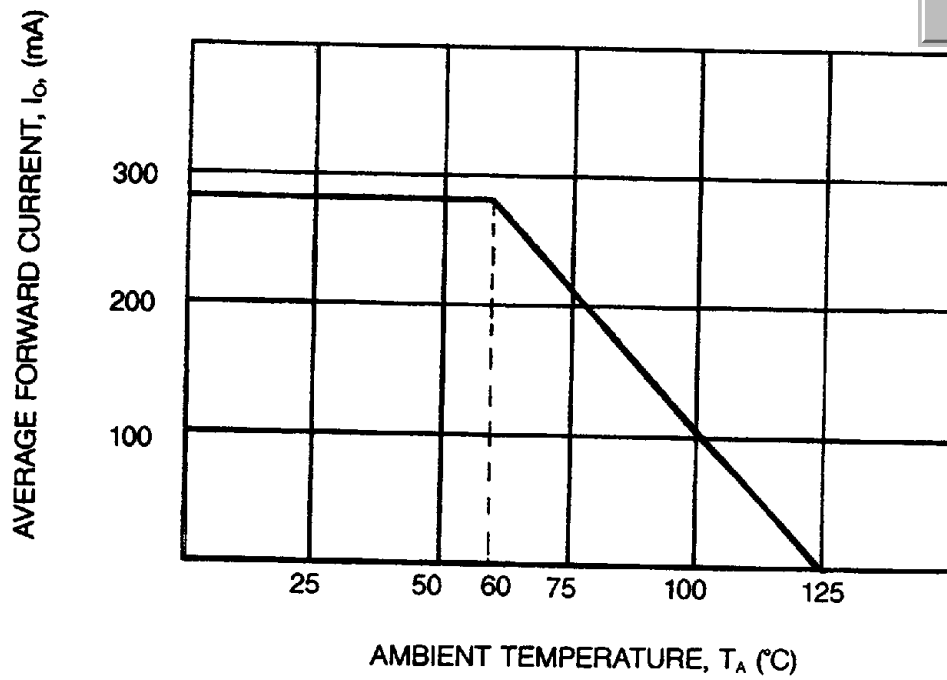


FIGURE 1

## RECOVERY WAVE FORM

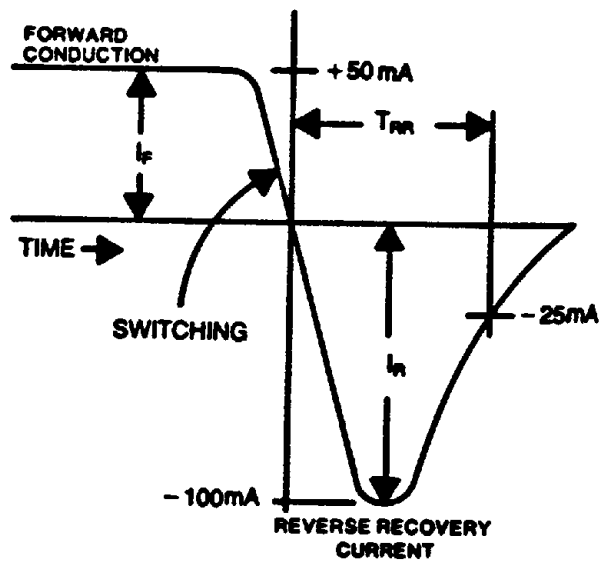


FIGURE 2