

TECHNICAL DATA  
DATA SHEET 4003, REV. -

## CENTER TAP/DOUBLER ASSEMBLY (RECTIFIER)

**DESCRIPTION:** 1000 VOLT, 6 AMP, 5 usec CENTER TAP RECTIFIER in a DOUBLER configuration.

**MAX RATINGS/ELECTRICAL CHARACTERISTICS** ALL RATINGS ARE AT  $T_C = 25\text{ C}$  UNLESS OTHERWISE SPECIFIED

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE (PER LEG)	PIV	1000	Volts
MAXIMUM FORWARD VOLTAGE DROP (PER LEG) ( $I_f = 9.0\text{ AMPS}$ )	$V_f$	1.40	Volts
MAXIMUM DC OUTPUT CURRENT ( $T_C = 100\text{ }^\circ\text{C}$ ) (PER LEG)	$I_o$	6	Amps
PEAK SINGLE CYCLE SURGE CURRENT $t_p = 8.3\text{ msec.}$ (PER LEG)	$I_{FSM}$	100	Amps
MAXIMUM REVERSE RECOVERY TIME ( $I_f = 0.5\text{A}$ , $I_r = 1.0\text{A}$ , $t_{rr} = 0.25\text{A}$ )	$t_{rr}$	5	usec
MAXIMUM REVERSE CURRENT $I_r$ @ PIV (PER LEG)	$I_r$	5.0	mA
MAXIMUM THERMAL RESISTANCE (PER LEG)	$R_{\theta JC}$	4.0	$^\circ\text{C/W}$
MAXIMUM OPERATING AND STORAGE TEMPERATURE	$T_{J, stg}$	-55 to + 150	$^\circ\text{C}$



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