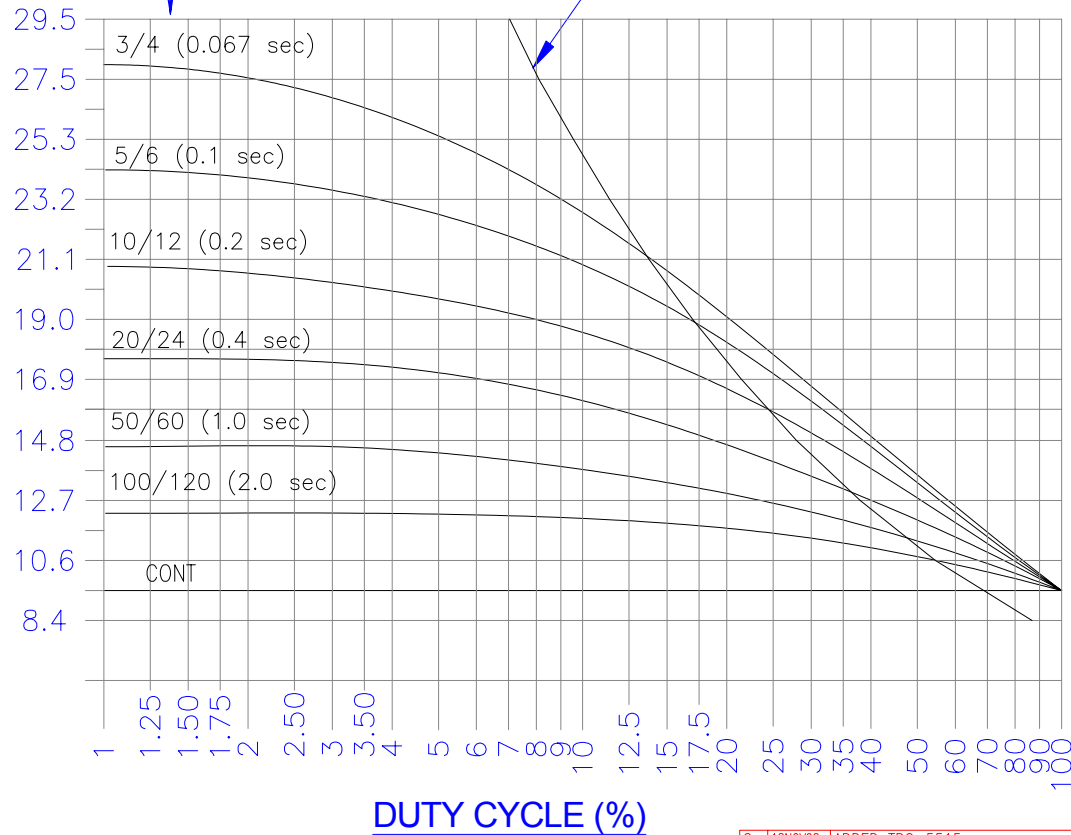


**Power Supply Rating Diagram, Single Phase, Center Tap Rectifier.  
2 Diode(s) per rectifier leg  
4 Diodes total**

Weld time in cycles (50/60 Hz)  
Rectifier rating curve

Transformer Rating Curve

DC  
CURRENT  
KA



Where used  
TDC-1042  
TDC-1060  
TDC-1061  
TDC-1064  
TDC-1102  
TDC-5007  
TDC-5181  
TDC-5182  
TDC-5277  
TDC-5345  
TDC-5515  
TDC-5602  
TDC-5731

Notes:

These curves are based on rated water flow of 2 G.P.M (7.5 L.P.M.).

Maximum water in temperature of 30°C.

For applications above a 20% duty cycle, contact Roman Manufacturing for assistance.

Rectifier Rating:

% Duty Cycle is based on shortest time from beginning of one weld to the beginning of next weld. On time/(On + Off time).

Transformer Rating:

% Duty Cycle is total "On" time in one minute.

DUTY CYCLE (%)

1110078

G	18NOV08	ADDED TDC-5515	KLY
F	04FEB04	ADDED TDC-5345	RB/SFR
E	05MAR03	ADDED "DUTY CYCLE" NOTE	CK
#	DATE	REVISION	NAME
FILE NAME: Standard Drawings\1110078.dwg			
CONTRACT NO: --			
DRAWN: 16Jun98 andrew			
CHECK:			
APPR.:			
ISSUED:			
Rating Curve			
SIZE	FSCM NO	DWG NO	REV
SH1A	-	1110078	
SCALE	1:1	WEIGHT	SHEET

I	19Jan06	ADDED TDC-5007, TDC-5277 & TDC-5731	KLY/RB
H	15APR05	ADDED TDC-5602	KLY