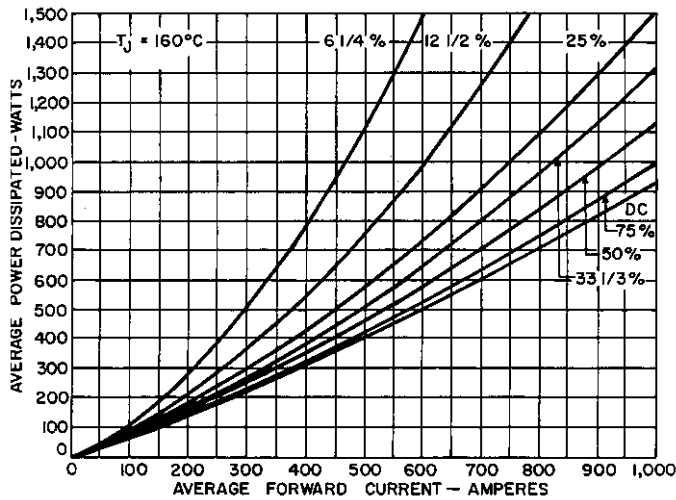


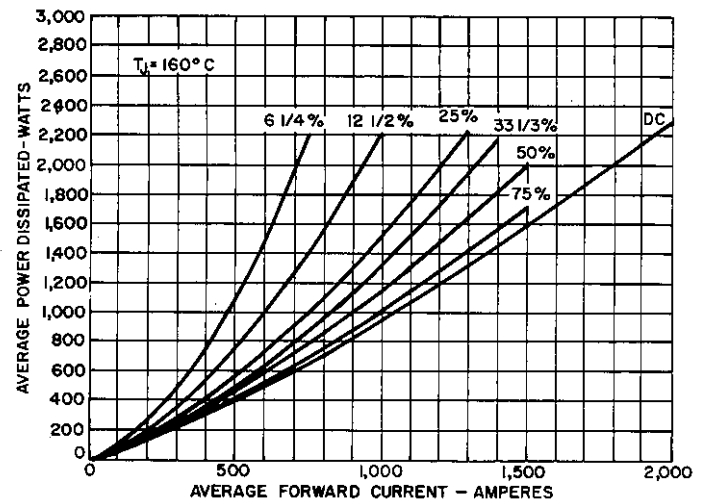
- High Current, High Voltage
- Pressure Contacts
- Glazed Ceramic Package with 1" Creepage Path
- Reversibility (eliminates need for special reverse polarity units)
- Hermetic Seal
- Available in Factory Assembled Heat Exchangers or Ready-to-Mount

TYPE	REPETITIVE V_{RRM}^1	
	$T_J = 0^{\circ}\text{C to } +185^{\circ}\text{C}$	$T_J = -40^{\circ}\text{C to } +200^{\circ}\text{C}$
A640LB	2200 Volts	1900 Volts
A640LA	2100	1800
A640L	2000	1700
A640PT	1900	1600
A640PN	1800	1500
A640PS	1700	1400
A640PM	1600	1300
A640PE	1500	1200
A640PD	1400	1100
A640PC	1300	1000
A640PB	1200	900
A640PA	1100	800

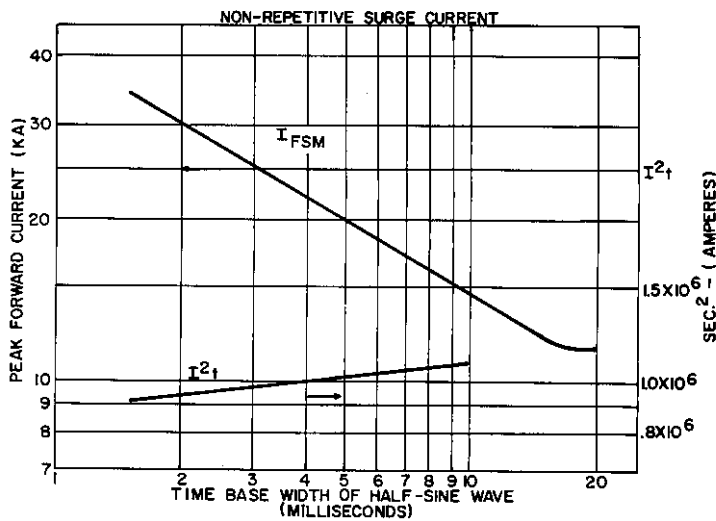
¹ Assumes a heatsink dissipation of less than 1.1°C/watt.



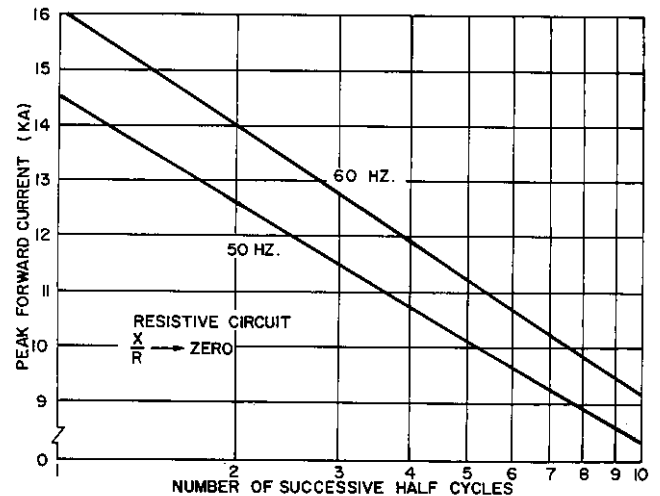
7. POWER DISSIPATION FOR RECTANGULAR CURRENT WAVEFORMS



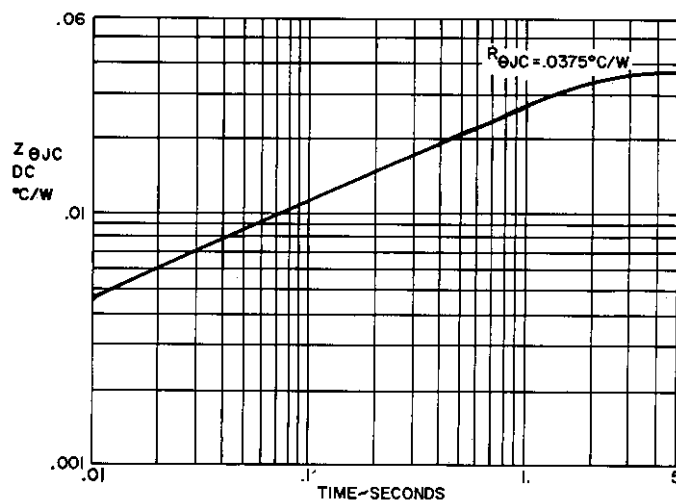
8. EXTENDED POWER DISSIPATION CURVES FOR RECTANGULAR CURRENT WAVEFORMS



9. SUBCYCLE SURGE CURRENT



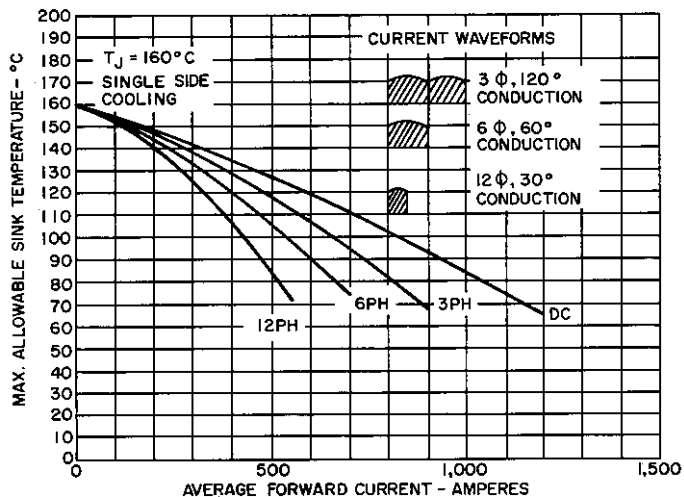
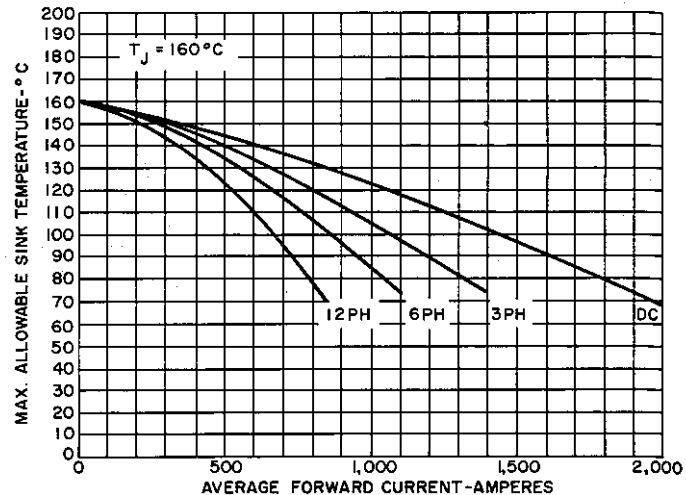
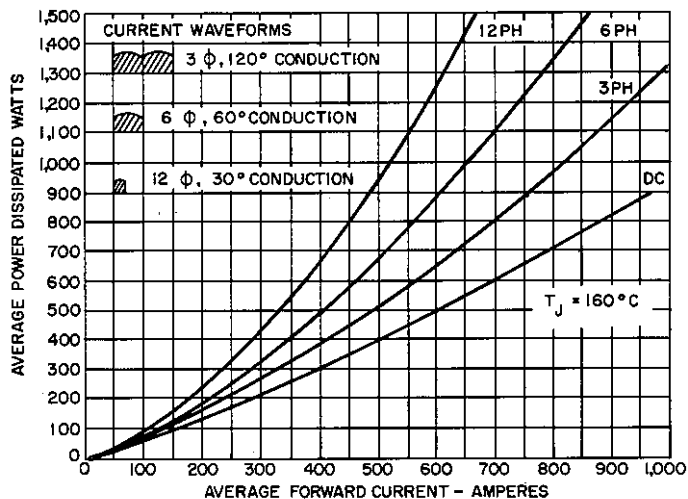
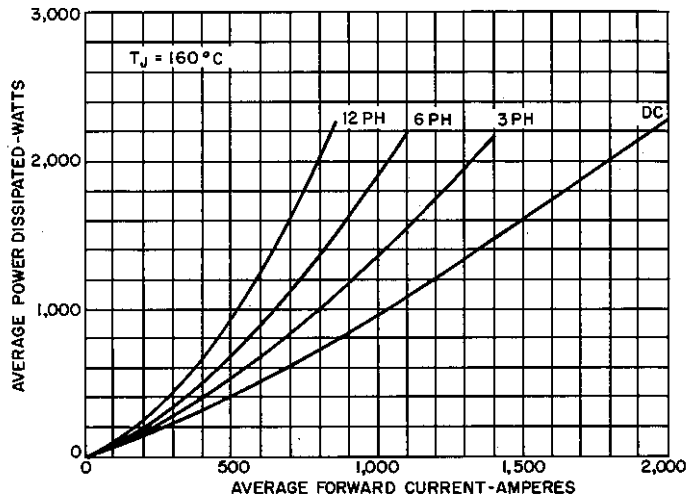
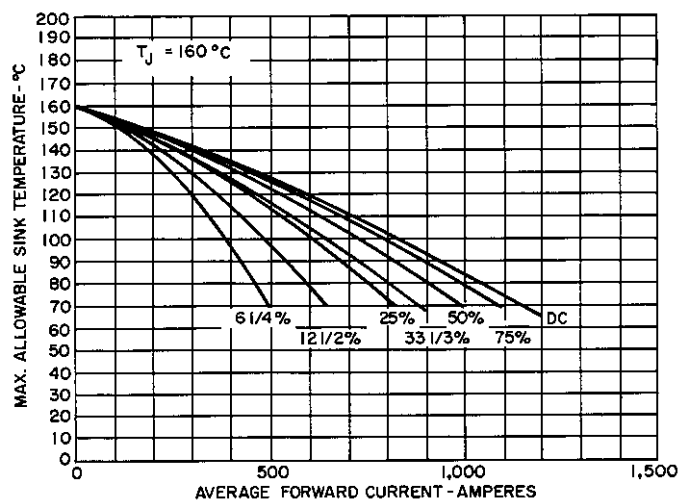
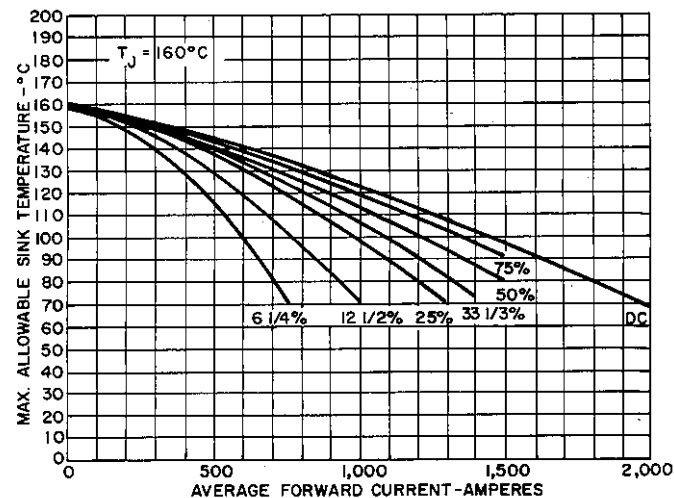
10. MULTICYCLE SURGE CURRENT

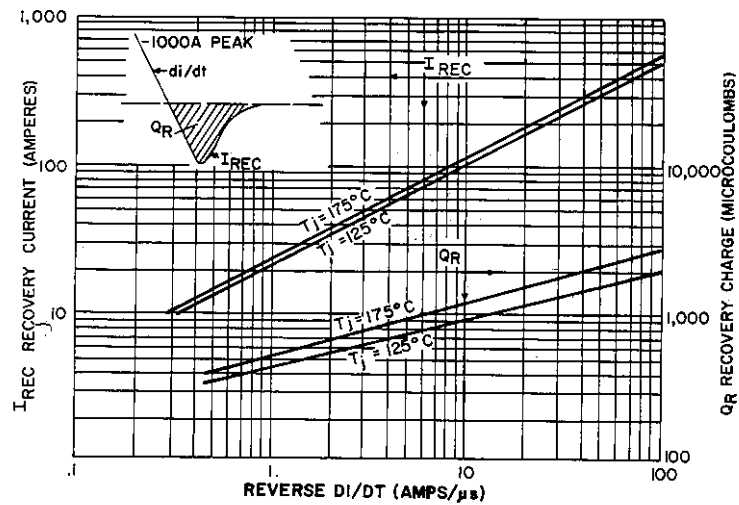


11. TRANSIENT THERMAL IMPEDANCE - JUNCTION-TO-CASE

NOTES:

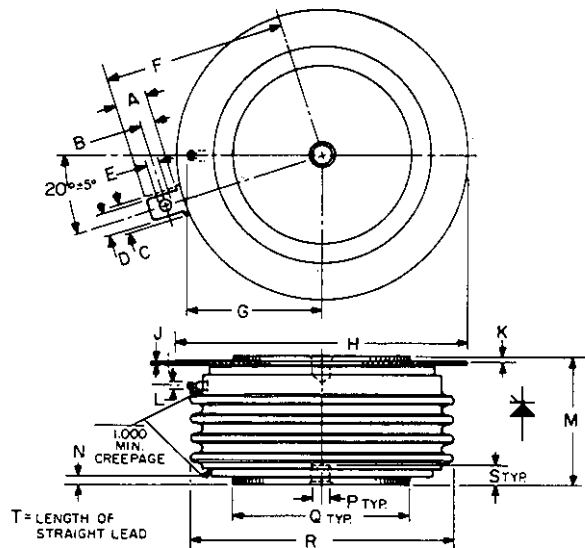
1. Add .0075°C/W to account for both case to dissipator interfaces when properly mounted; e.g., $R_{\theta JS} = .045^\circ\text{C/W}$.
2. DC Thermal Impedance is based on average full cycle junction temperature. Instantaneous junction temperature may be calculated using the following modifications:
 - end of conducting portion of cycle
 - 120° sq. wave add .0044°C/W along entire curve
 - 180° sq. wave add .0032°C/W along entire curve
 - 180° sine wave add .0018°C/W along entire curve
 - end of full cycle
 - any wave, subtract .0018°C/W along entire curve





12. TYPICAL REVERSE RECOVERY CHARACTERISTICS

OUTLINE DRAWING



SYM	DECIMAL INCHES		METRIC M.M.	
	MIN.	MAX.	MIN.	MAX.
A	.240	.260	6.096	6.604
B	.110	.130	2.794	3.302
C	.245		6.223	
D	.186	.191	4.724	4.851
E	.060	.075	1.524	1.905
F		1.430		36.32
G		1.065		27.051
H	2.200	2.500	55.88	63.50
J	.011	.019	2.794	3.483
K	.030		.762	
L	.056	.060	1.422	1.524
M	1.00	1.07	25.40	27.18
N	.030	.096	.762	2.438
P	.13	.15	3.30	3.81
Q	1.30	1.35	33.02	34.29
R		2.150		54.61
S	.07	.08	1.78	2.03