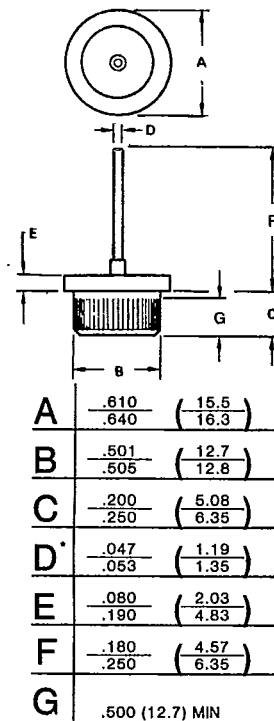
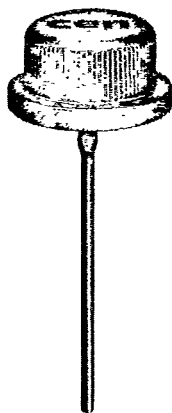


COISE DO-208AA (DO-21)

20-50 Amperes

General Purpose Silicon Power Rectifier

61 DE 1989963 0000157 0



A	.610 .640	(15.5 16.3)
B	.501 .505	(12.7 12.8)
C	.200 .250	(5.08 6.35)
D	.047 .053	(1.19 1.35)
E	.080 .190	(2.03 4.83)
F	.180 .250	(4.57 6.35)
G	.500 (12.7) MIN	

Dimensions In Inches (mm).

*0.10 (2.54) For CR50P

	CR20P-005	CR20P-010	CR20P-020	CR20P-040	CR20P-060	CR20P-080	CR20P-100	CR20P-120
	CR25P-005	CR25P-010	CR25P-020	CR25P-040	CR25P-060	CR25P-080	CR25P-100	CR25P-120
	CR50P-005	CR50P-010	CR50P-020	CR50P-040	CR50P-060	CR50P-080	CR50P-100	CR50P-120
V_{RRM} (volts)	50	100	200	400	600	800	1000	1200
V_R (volts)	50	100	200	400	600	800	1000	1200
V_R (RMS)(volts)	35	70	140	280	420	560	700	840

Maximum Ratings (@ $T_C = 25^\circ\text{C}$ unless otherwise noted)

	SYMBOL	CR20P SERIES	CR25P SERIES	CR50P SERIES	UNITS
Average Forward Current ($T_C = 150^\circ\text{C}$)	I_O	20	25	50	A
Peak Forward Surge Current	I_{FSM}	350	400	600	A

Thermal Characteristics

	SYMBOL	CR20P SERIES	CR25P SERIES	CR50P SERIES	UNITS
Operating & Storage Junction Temperature	T_J, T_{STG}		-65 to +200		$^\circ\text{C}$
Thermal Resistance, Junction To Case	θ_{JC}	1.2	1.1	0.8	$^\circ\text{C}/\text{W}$

Electrical Characteristics (@ $T_C = 25^\circ\text{C}$)

	SYMBOL	CR20P SERIES	CR25P SERIES	CR50P SERIES	UNITS
Max. Forward Voltage Drop @ $I_F = \text{Rated } I_O$	V_F	1.1	1.1	1.1	V
Max. Reverse Current @ Rated V_{RRM}	I_R	100	100	200	μA

Normal Polarity: Cathode to case.

For reverse polarity add "R" to suffix. Ex: CR20P-040R.

CASE OUTLINE DRAWINGS

D



CASE A

CBR1 Series
CBR2 Series



CASE B

CBR1-L Series
CBR2-L Series



CASE C

CBR3-P Series



CASE D

CBR4-L Series



CASE E

CBR8 Series



CASE F

CBR10 Series, CBR25 Series
CBR12 Series, CBR30 Series

All Dimensions in Inches (Millimeters)

Drawings Not To Scale

f

