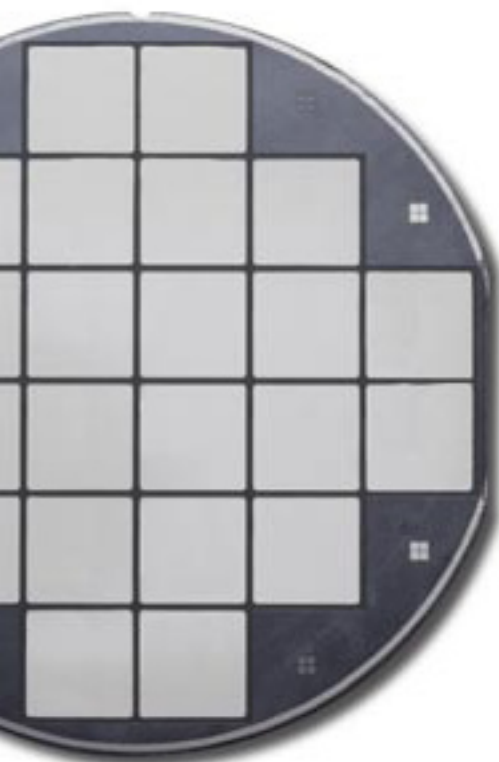




Features

- Glass Passivated Junction Protection for Superior Blocking Voltage and Stability
- 2000V Capability
- Low Forward Voltage Drop

Applications

- Bridge Rectifiers
- Power Modules
- Motor Controls

Electrical Ratings

Part Number	Description	$I_{T(AV)}^{①}$	$V_{TM} @ I_T^{②}$		$V_{DRM} / V_{RRM}^{③}$ (V)	I_{TSM} (10ms)
CCR28H-10/20	Diode, Die, 25A	25	1.25	35	1000 -2000	850
CCR34H-10/20	Diode, Die, 60A	60	1.25	90	1000 -2000	2000
CCR44H-10/20	Diode, Die, 100A	100	1.25	140	1000 -2000	3000
CCR50H-10/20	Diode, Die, 150A	150	1.25	210	1000 -2000	4000
CCR58H-10/20	Diode, Die, 185A	185	1.25	250	1000 -2000	4500

① $T_j = 150^\circ\text{C}$, $T_c = 80^\circ\text{C}$. Rated values depend on assembly materials and conditions. Assemblies must be void-free and have sufficient heat sinking to achieve maximum ratings.

② 25°C

③ Part number suffix, 10=1000V, 12=1200V, 16=1600V, 20=2000V

Part Numbering

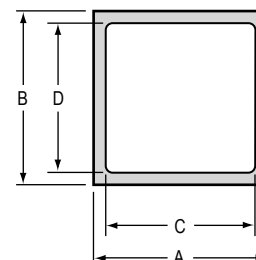
Examples:

Series Voltage
CCR34H -12=1200V

General Note:

Metallization - CR:Ni:Ag

Aluminum Metalization Available - Contact Factory



Dimensions in inches

Series Type	A	B	C	D	Thickness	
CCR28H	0.180	0.180	0.140	0.140	0.011	Fig. 1
CCR34H	0.230	0.230	0.190	0.190	0.011	Fig. 1
CCR44H	0.339	0.339	0.299	0.299	0.011	Fig. 1
CCR50H	0.400	0.400	0.370	0.370	0.011	Fig. 1
CCR58H	0.478	0.478	0.422	0.422	0.011	Fig. 1

Dimensions in mm

Series Type	A	B	C	D	Thickness	
CCR28H	4.572	4.572	3.556	3.556	0.275	Fig. 1
CCR34H	5.842	5.842	4.826	4.826	0.275	Fig. 1
CCR44H	8.611	8.611	7.595	7.595	0.275	Fig. 1
CCR50H	10.160	10.160	9.398	9.398	0.275	Fig. 1
CCR58H	12.141	12.141	10.719	10.719	0.275	Fig. 1

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