

isc Thyristors

INCHANGE SEMICONDUCTOR

BCR16CM-12LB

T1(1)

T2(2)

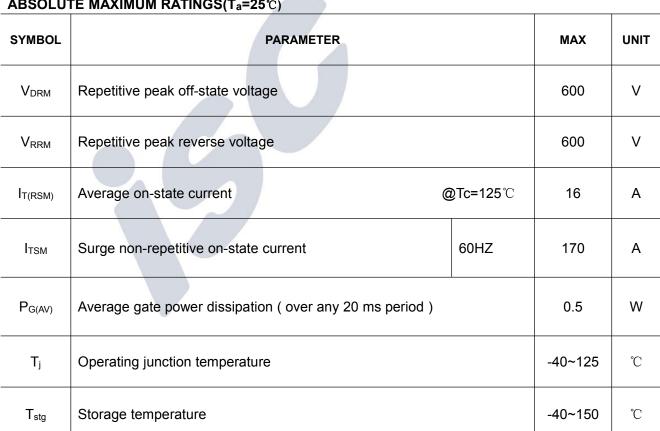
DESCRIPTION

- · With TO-220 packaging
- Operating in 3 quadrants
- High commutation capability
- · Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Switching applications
- Phase control
- · Static switching on inductive or resistive load

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)





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SYMBOL	PARAMETER	CONDITIONS			MIN	МАХ	UNIT
I _{RRM}	Repetitive peak reverse current	V _R =V _{RRM} Rated;	T:-105°C			0.0	
I _{DRM}	Repetitive peak off-state current	$V_D = V_{DRM}$ Rated; Tj=125°C				2.0	mA
V _{TM}	On-state voltage	I _T =25A				1.5	V
IGT	Gate-trigger current	V _D =6V;R _L =6 Ω;R _G =330 Ω II III III			30		
				II		30	mA
					30		
V _{GT}	Gate-trigger voltage	$V_{D} = 6V; R_{L} = 6 \Omega; R_{G} = 330 \Omega;$				1.5	V
Rth (j-mb)	Junction to mounting base	Half cycle				1.4	°C/W

ELECTRICAL CHARACTERISTICS (Tc=25℃ unless otherwise specified)

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