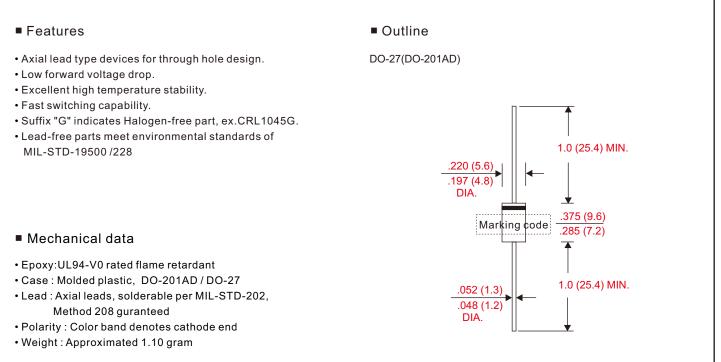
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CRL1045

10A Lead Type Trench Schottky Rectifier



Dimensions in inches and (millimeters)

Maximum ratings and electrical characteristics

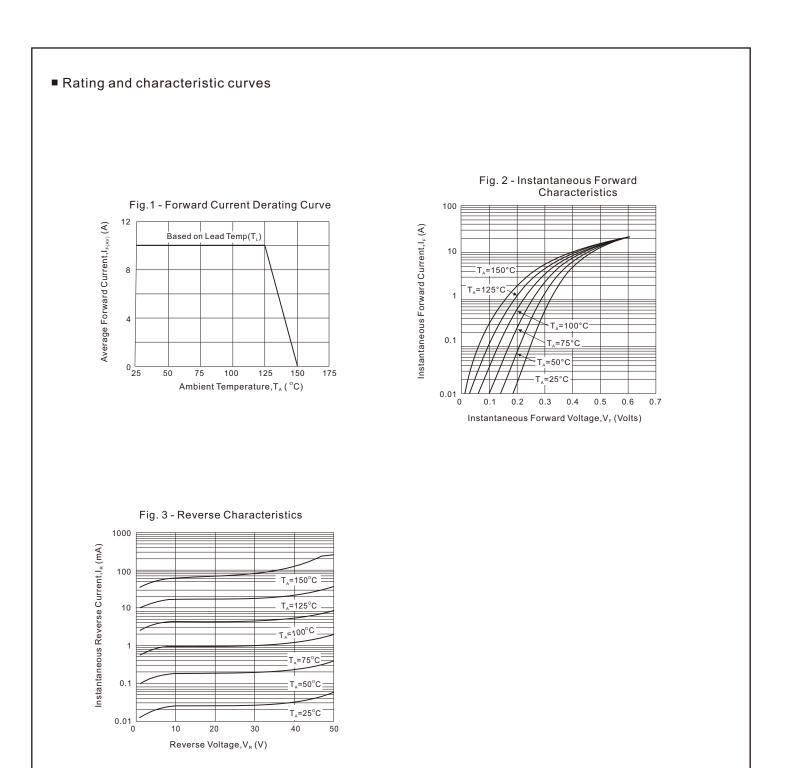
Rating at 25° C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Parameter	Conditions	Symbol		CRL1045		
Marking code			CRL1045		UNIT	
Peak repetitive reverse voltage		V _{RRM}				
Working peak reverse voltage		V _{RWM}	45		V	
DC blocking voltage		V _{RM}				
Forward rectified current		I _o	10			A
Forward surge current	8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I _{FSM}	120		А	
Thermal resistance	Junction to case	$R_{_{ ext{ ext{ ext{ ext{ ext{ ext{ ext{ ext$		6		°C/W
			-65 ~ +175			°C
Operating and Storage temperature		T_{J},T_{STG}	-	-05~+17	5	- ³ C
Parameter	Conditions	Symbol	MIN.	TYP.	MAX.	UNIT
	I _R = 0.5mA				MAX.	
Parameter		Symbol	MIN.			UNIT
Parameter Reverse breakdown voltage	$I_{R} = 0.5 \text{mA}$ $I_{F} = 10\text{A}, T_{J} = 25^{\circ}\text{C}$	Symbol V _{(BR)R}	MIN.		MAX. 530	UNIT V



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