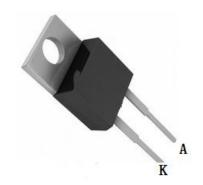


Features:

- Ultrafast Recovery
- 175°C operating junction temperature
- High frequency operation
- Low power loss, less RFI and EMI
- Low I_R value
- High surge capacity
- Epitaxial chip construction





Product Summary		
V R	1200 V	
lf(AV)	8A	
trr	25 ns	

Description/Applications

These diodes are optimized to less losses and EMI/RFI in high frequency power conditioning system. The soft recovery behavior of the diodes offers the need as snubber in most applications. These devices are ideally suited for HF welding power converters and other applications where the switching losses are not significant portion of the total losses.

Absolute Maximum Ratings				
Parameter	Symbol	Test Conditions	Values	Units
Repetitive peak reverse voltage	Vrrm		1200	V
Continuous forward current	lf(AV)	Tc =110°C	8	
Single pulse forward current	IFSM	Tc =25°C	56	А
Maximum repetitive forward current	IFRM	Square wave, 20kHZ	16	
Operating junction	Tj		175	°C
Storage temperatures	Tstg		-55 to +175	°C



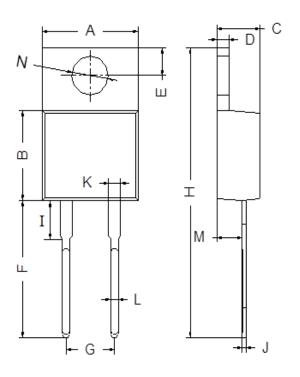
Parameter	Symbol	Test Conditions	Min	Тур.	Max.	Units	
Breakdown voltage	VBR,	Ir=100μA	1200				
Blocking voltage	V_R		1200				
Forward voltage (Per Diode)	VF	IF=8A		2.10	2.50	V	
		IF=8A, Tj =125°C		1.95	2.50		
Reverse leakage	lr -	VR= VRRM			20	_	
current(Per Diode)		Tj=150°C, Vr=600V			200	μ Α	
Reverse recovery	+	I _F =0.5A, I _R =1A, I _{RR} =0.25A		40	50		
time(Per Diode)	trr	I _F =1A,V _R =30V, di/ <i>dt</i> =200A/us		25	35	ns	

Thermal characteristics

Paramter	Symbol	Тур	Units
$R_{ heta$ JC	Junction-to-Case	3.0	°C/W



TO-220AC



TO-220AC		
Dim	Min	Max
А	9.80	10.30
В	8.30	8.90
С	4.37	4.77
D	1.10	1.45
Е	2.62	2.87
F	13.14	13.74
G	4.98	5.18
Н	28.40	29.16
I	3.55	4.05
J	0.35	0.58
K	1.20	1.32
L	0.68	0.94
М	2.40	2.60
N	3.71	3.91
All Dimensions in mm		

Notice

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