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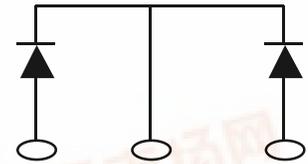
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POWER PRODUCT SPECIFICATION

30 A 500V COMMON CATHODE DUAL ULTRAFAST RECTIFIER

FEATURES:

- QUALIFIED PARTS LISTING MIL-PRF-19500/617
- LOW FORWARD VOLTAGE DROP
- ISOLATED HERMETICALLY SEALED PACKAGE
- RUGGED CERAMIC FEEDTHROUGH CONSTRUCTION



Absolute Maximum Ratings:

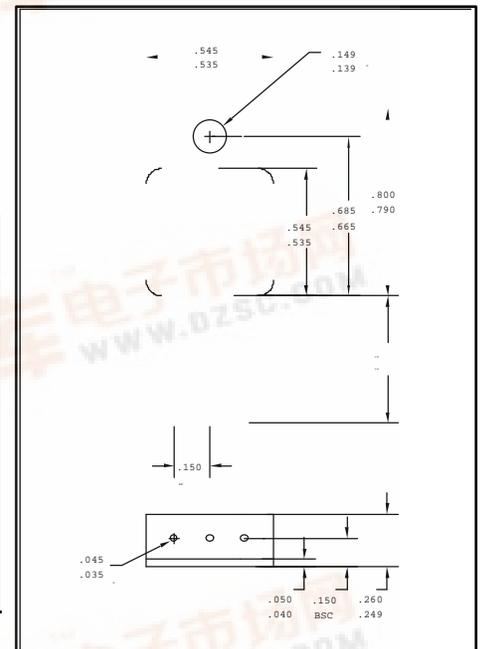
Symbol	Parameter	Limit	Unit
VRWM	*1 Peak Repetitive Reverse Voltage	500	Vdc
VRRM	*1 Working Peak Reverse Voltage	500	Vdc
VR	*1 DC Blocking Voltage	500	Vdc
IO	*1 Average Forward Current, TC= 100 °C	15	Adc
IFSM	*1 Peak Surge Current	150	A(pk)
ROJC	*1 Thermal Resistance, Junction to Case	2.0	°C/W
ROJA	*1 Thermal Resistance, Junction to Ambient	40	°C/W
Tj	Operating Junction Temperature Range	-65 to +200	°C
Tstg	Storage Temperature Range	-65 to +200	°C

NOTE 1: EACH INDIVIDUAL DIODE

Electrical Characteristics (Per Diode) @ 25°C unless otherwise specified

Symbol	Parameter	Conditions	Min	Max	Unit
Vf1	Forward Voltage	If = 10A(pk)	1.35	Vdc	
Vf2	Forward Voltage	If = 20A(pk)	1.55	Vdc	
IR1	Reverse Current	VR = 400Vdc	50.0	uA	
IR2	Reverse Current	VR = 400Vdc TC=100° C	5.0	mA	
Vf3	Forward Voltage	If = 10A(pk), TA= -65°C	1.45	Vdc	
trr	Reverse Recovery Time	Cond. B, If=.5Adc, IR=1A, IRR=.25A	35	ns	
Cj	Junction Capacitance	VR= 10Vdc, f=1MHz	150	pF	

PHYSICAL DIMENSIONS



Package Designation: TO-254

PIN # 1: ANODE

PIN # 2: CATHODE

PIN # 3: ANODE