

**VISHAY** VS-400CNQ045PbF  
Vishay Semiconductors

**High Performance Schottky Rectifier, 400 A**



**FEATURES**

- 100 °C  $T_J$  operation
- Cathode lead-free
- Very low forward voltage drop
- High frequency operation
- Guard ring for enhanced ruggedness and long term reliability
- UL approved for E20148
- Designed and qualified for industrial load
- Material conformance for definition of compliance (please see [www.vishay.com/doc/93000/93000.pdf](http://www.vishay.com/doc/93000/93000.pdf))

**RoHS** (except for 6)

**PRIMARY CHARACTERISTICS**

Item	400 A
$V_F$	45 V
Package	TO-247
Mounting position	For details, please refer to [1]

**DESCRIPTION / APPLICATIONS**

The VS-400CNQ045PbF series is a high-current Schottky rectifier module that has been optimized for very low forward voltage drop, with moderate ratings. The proprietary barrier technology allows for reliable operation up to 100 °C junction temperatures. Typical applications are in switching power supplies, converters, inverter/charging diodes, welding, and reverse battery protection.

**MAJOR RATINGS AND CHARACTERISTICS**

PARAMETER	MAXIMUM CHARACTERISTICS	VS-400	UNIT
Item	Temperature operation	400	A
Item		45	V
Item	$V_F$ @ 1.0 A/100 ms	45	V
$T_J$	100 °C, $T_C = 100$ °C (see Fig. 1)	0.21	V
$T_C$	Range	40 to 100	°C



QR код

www.tiristor.by

## 400cnq045, vs-400cnq045, Минск

400CNQ045,VS-400CNQ045, Минск

Минск [www.fotorele.net](http://www.fotorele.net) [www.tiristor.by](http://www.tiristor.by)  
email [minsk17@tut.by](mailto:minsk17@tut.by) тел.+375447584780

и другие, радиодетали, электронные компоненты  
каталог, описание, технические, характеристики, [datasheet](#),  
параметры, маркировка, габариты, фото, аналог, замена



тел: 8(017)2005646

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параметры, маркировка, габариты, фото, аналог, замена  
смотрите ниже

Диод, 400CNQ045, Schottky, корпус TO-244AB  
400cnq045, vs-400cnq045, минск  
vs-400cnq045pbf, диод шоттки 400а 45в [to-244]  
описание

schottky rectifiers over 25a, vishay semiconductor

schottky rectifiers are semiconductor diodes that exhibit very low forward voltage drop with a very fast switching action. the reverse recovery times of schottky diodes are extremely quick. schottky diodes are suitable for applications requiring fast switching and low power loss.

diodes and rectifiers, vishay semiconductor  
технические параметры

материал кремний

максимальное постоянное обратное напряжение, в 45  
максимальное импульсное обратное напряжение, в 45  
максимальный прямой(выпрямленный за полупериод) ток,а 400  
максимально допустимый прямой импульсный ток,а 29000  
максимальный обратный ток,мка 25гр 20000  
максимальное прямое напряжение,в 0.57  
при  $i_{pr.}$ ,а 200

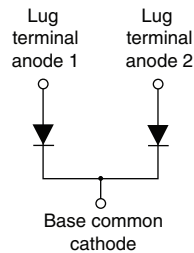
общая емкость сд,пф 10300  
рабочая температура,с -55...150  
способ монтажа на теплоотвод  
корпус to244ab  
гарантийный срок

6 месяцев

техническая документация

400cnq045 [datasheet](#)

## High Performance Schottky Rectifier, 400 A


**TO-244**


### FEATURES

- 150 °C T<sub>J</sub> operation
- Center tap module
- Very low forward voltage drop
- High frequency operation
- Guard ring for enhanced ruggedness and long term reliability
- UL approved file E222165
- Designed and qualified for industrial level
- Material categorization: for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)


**RoHS**  
COMPLIANT

PRIMARY CHARACTERISTICS	
I <sub>F(AV)</sub>	400 A
V <sub>R</sub>	45 V
Package	TO-244
Circuit configuration	Two diodes common cathode

### DESCRIPTION / APPLICATIONS

The VS-400CNQ045PbF center tap, high current, Schottky rectifier module has been optimized for very low forward voltage drop, with moderate leakage. The proprietary barrier technology allows for reliable operation up to 150 °C junction temperature. Typical applications are in switching power supplies, converters, freewheeling diodes, welding, and reverse battery protection.

MAJOR RATINGS AND CHARACTERISTICS			
SYMBOL	CHARACTERISTICS	VALUES	UNITS
I <sub>F(AV)</sub>	Rectangular waveform	400	A
V <sub>R(RRM)</sub>		45	V
I <sub>F(SM)</sub>	t <sub>p</sub> = 5 μs sine	29 000	A
V <sub>F</sub>	200 A <sub>pk</sub> , T <sub>J</sub> = 125 °C (per leg)	0.52	V
T <sub>J</sub>	Range	-55 to +150	°C

VOLTAGE RATINGS			
PARAMETER	SYMBOL	VS-400CNQ045PbF	UNITS
Maximum DC reverse voltage	V <sub>R</sub>	45	V
Maximum working peak reverse voltage	V <sub>R(WM)</sub>		

ABSOLUTE MAXIMUM RATINGS					
PARAMETER	SYMBOL	TEST CONDITIONS		VALUES	UNITS
Maximum average forward current See fig. 5	I <sub>F(AV)</sub>	50 % duty cycle at T <sub>C</sub> = 114 °C, rectangular waveform	per leg	200	A
			per device	400	
Maximum peak one cycle non-repetitive surge current per leg See fig. 7	I <sub>F(SM)</sub>	5 μs sine or 3 μs rect. pulse	Following any rated load condition and with rated V <sub>R(RRM)</sub> applied	29 000	
		10 ms sine or 6 ms rect. pulse		3400	
Non-repetitive avalanche energy per leg	E <sub>AS</sub>	T <sub>J</sub> = 25 °C, I <sub>AS</sub> = 19 A, L = 1 mH		180	mJ
Repetitive avalanche current per leg	I <sub>AR</sub>	Current decaying linearly to zero in 1 μs Frequency limited by T <sub>J</sub> maximum V <sub>A</sub> = 1.5 x V <sub>R</sub> typical		40	A



ELECTRICAL SPECIFICATIONS					
PARAMETER	SYMBOL	TEST CONDITIONS		VALUES	UNITS
Maximum forward voltage drop per leg See fig. 1	$V_{FM}^{(1)}$	200 A	$T_J = 25\text{ }^\circ\text{C}$	0.57	V
		400 A		0.73	
		200 A	$T_J = 125\text{ }^\circ\text{C}$	0.52	
		400 A		0.7	
Maximum reverse leakage current per leg See fig. 2	$I_{RM}^{(1)}$	$T_J = 25\text{ }^\circ\text{C}$	$V_R = \text{Rated } V_R$	20	mA
		$T_J = 125\text{ }^\circ\text{C}$		1.2	A
Threshold voltage	$V_{F(TO)}$	$T_J = T_J \text{ maximum}$		0.32	V
Forward slope resistance	$r_t$			0.81	m $\Omega$
Maximum junction capacitance per leg	$C_T$	$V_R = 5 V_{DC}$ (test signal range 100 kHz to 1 MHz), 25 °C		10 300	pF
Typical series inductance per leg	$L_S$	From top of terminal hole to mounting plane		5.0	nH
Maximum voltage rate of change	dV/dt	Rated $V_R$		10 000	V/ $\mu$ s

**Note**(1) Pulse width < 300  $\mu$ s, duty cycle < 2 %

THERMAL - MECHANICAL SPECIFICATIONS					
PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNITS
Maximum junction and storage temperature range	$T_J, T_{Stg}$	-55	-	150	$^\circ\text{C}$
Thermal resistance, junction to case per leg	$R_{thJC}$	-	-	0.19	$^\circ\text{C/W}$
Thermal resistance, junction to case per module		-	-	0.095	
Thermal resistance, case to heatsink	$R_{thCS}$	-	0.10	-	
Weight		-	68	-	g
		-	2.4	-	oz.
Mounting torque		35.4 (4)		53.1 (6)	lbf · in (N · m)
Mounting torque center hole		30 (3.4)		40 (4.6)	
Terminal torque		30 (3.4)		44.2 (5)	
Vertical pull		-	-	80	lbf · in
2" lever pull		-	-	35	

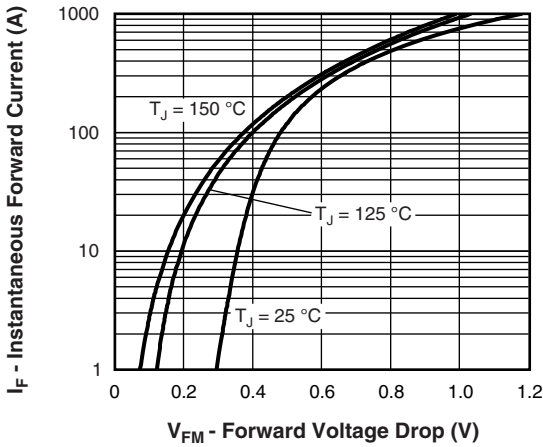


Fig. 1 - Maximum Forward Voltage Drop Characteristics (Per Leg)

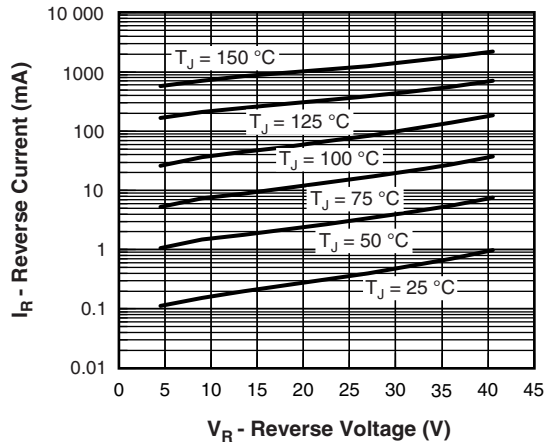


Fig. 2 - Typical Values of Reverse Current vs. Reverse Voltage (Per Leg)

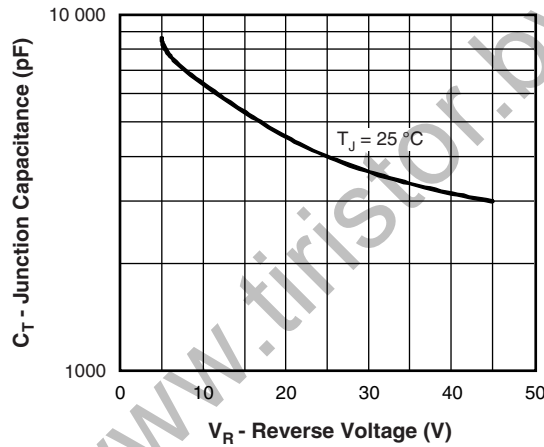


Fig. 3 - Typical Junction Capacitance vs. Reverse Voltage (Per Leg)

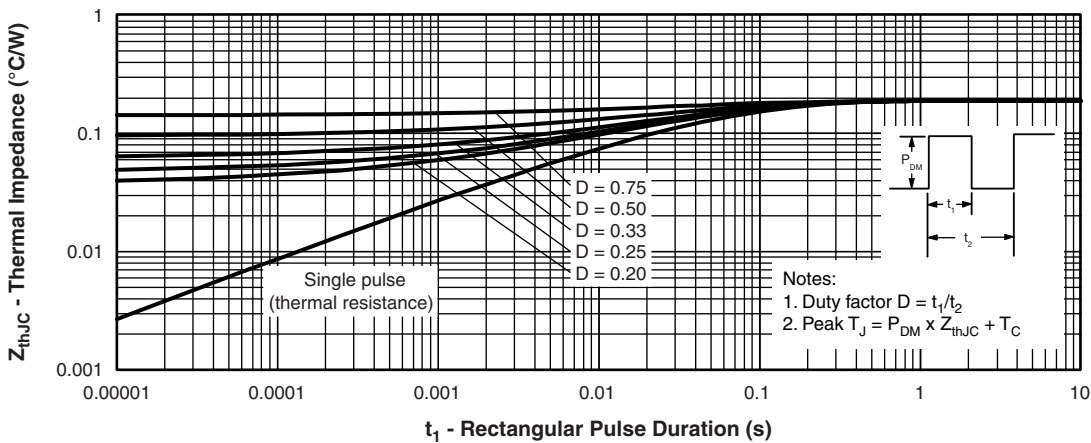


Fig. 4 - Maximum Thermal Impedance  $Z_{thJC}$  Characteristics (Per Leg)

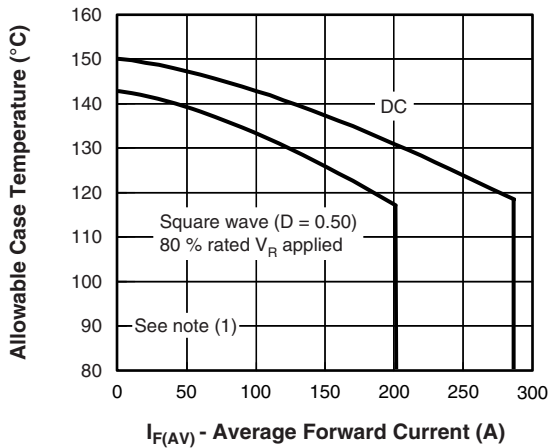


Fig. 5 - Maximum Allowable Case Temperature vs. Average Forward Current (Per Leg)

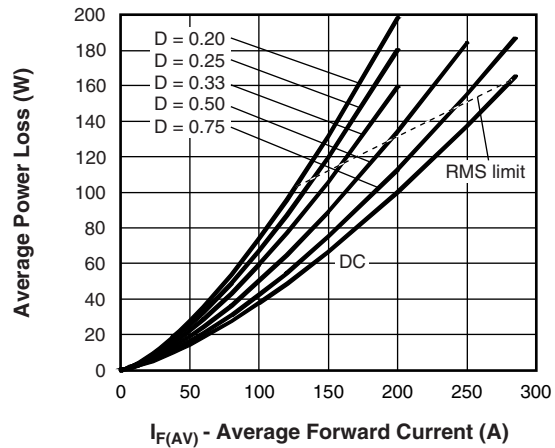


Fig. 6 - Forward Power Loss Characteristics (Per Leg)

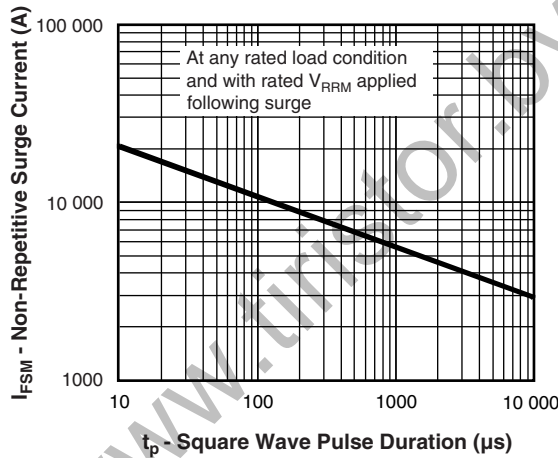


Fig. 7 - Maximum Non-Repetitive Surge Current (Per Leg)

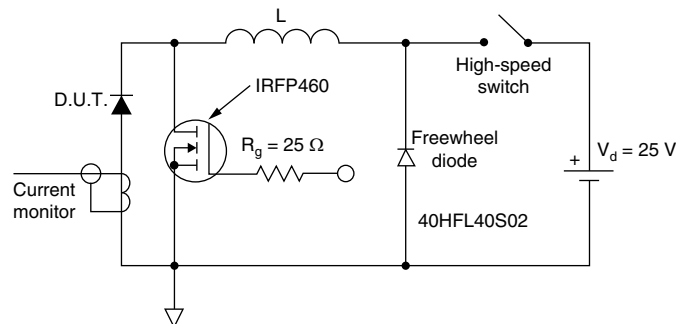


Fig. 8 - Unclamped Inductive Test Circuit

**Note**

- (1) Formula used:  $T_C = T_J - (P_d + P_{d_{REV}}) \times R_{thJC}$ ;  
 $P_d$  = forward power loss =  $I_{F(AV)} \times V_{FM}$  at  $(I_{F(AV)}/D)$  (see fig. 6);  
 $P_{d_{REV}}$  = inverse power loss =  $V_{R1} \times I_R (1 - D)$ ;  $I_R$  at  $V_{R1} = 80\%$  rated  $V_R$



## ORDERING INFORMATION TABLE

Device code	<b>VS-</b>	<b>40</b>	<b>0</b>	<b>C</b>	<b>N</b>	<b>Q</b>	<b>045</b>	<b>PbF</b>
	①	②	③	④	⑤	⑥	⑦	⑧

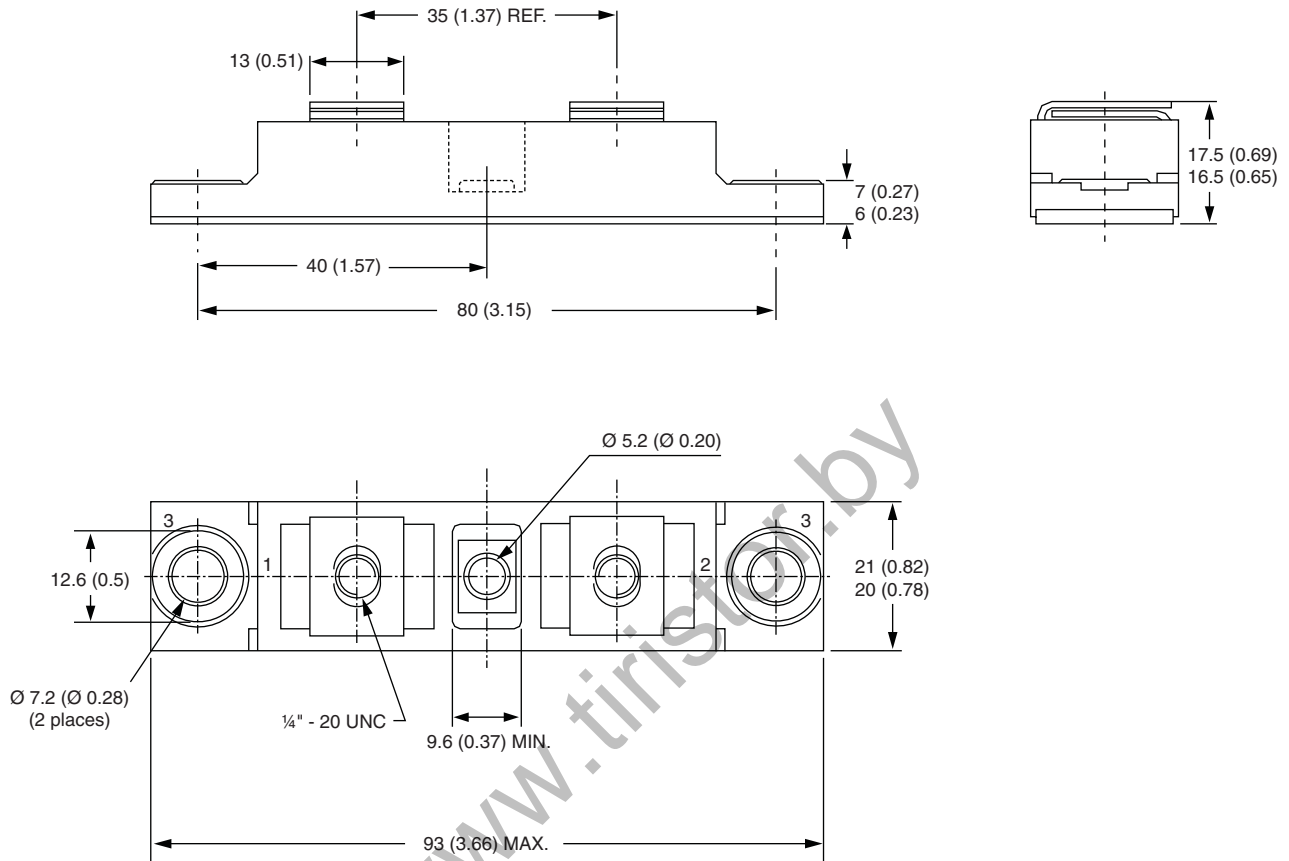
- 1** - Vishay Semiconductors product
- 2** - Average current rating (x 10)
- 3** - Product silicon identification
- 4** - C = circuit configuration
- 5** - N = not isolated
- 6** - Q = Schottky rectifier diode
- 7** - Voltage rating (045 = 45 V)
- 8** - Lead (Pb)-free

LINKS TO RELATED DOCUMENTS	
Dimensions	<a href="http://www.vishay.com/doc?95021">www.vishay.com/doc?95021</a>

www.tiristor.ro

## TO-244

**DIMENSIONS** in millimeters (inches)







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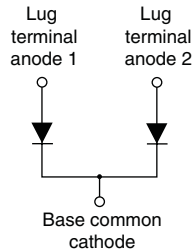
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## Schottky Rectifier, 400 A



TO-244



### FEATURES

- 150 °C  $T_J$  operation
- Center tap module
- Very low forward voltage drop
- High frequency operation
- Guard ring for enhanced ruggedness and long term reliability
- Lead (Pb)-free
- Designed and qualified for industrial level



### PRODUCT SUMMARY

$I_{F(AV)}$	400 A
$V_R$	45 V

### DESCRIPTION

The 400CNQ... center tap, high current, Schottky rectifier module series has been optimized for very low forward voltage drop, with moderate leakage. The proprietary barrier technology allows for reliable operation up to 150 °C junction temperature. Typical applications are in switching power supplies, converters, freewheeling diodes, welding, and reverse battery protection.

### MAJOR RATINGS AND CHARACTERISTICS

SYMBOL	CHARACTERISTICS	VALUES	UNITS
$I_{F(AV)}$	Rectangular waveform	400	A
$V_{RRM}$		45	V
$I_{FSM}$	$t_p = 5 \mu s$ sine	29 000	A
$V_F$	200 Apk, $T_J = 125 \text{ }^\circ\text{C}$ (per leg)	0.52	V
$T_J$	Range	- 55 to 150	$^\circ\text{C}$

### VOLTAGE RATINGS

PARAMETER	SYMBOL	400CNQ045PbF	UNITS
Maximum DC reverse voltage	$V_R$	45	V
Maximum working peak reverse voltage	$V_{RWM}$		

### ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	TEST CONDITIONS	VALUES	UNITS
Maximum average forward current per leg See fig. 5 per device	$I_{F(AV)}$	50 % duty cycle at $T_C = 114 \text{ }^\circ\text{C}$ , rectangular waveform	200	A
			400	
Maximum peak one cycle non-repetitive surge current per leg See fig. 7	$I_{FSM}$	5 $\mu s$ sine or 3 $\mu s$ rect. pulse	29 000	
		10 ms sine or 6 ms rect. pulse	3400	
Non-repetitive avalanche energy per leg	$E_{AS}$	$T_J = 25 \text{ }^\circ\text{C}$ , $I_{AS} = 19 \text{ A}$ , $L = 1 \text{ mH}$	180	mJ
Repetitive avalanche current per leg	$I_{AR}$	Current decaying linearly to zero in 1 $\mu s$ Frequency limited by $T_J$ maximum $V_A = 1.5 \times V_R$ typical	40	A

ELECTRICAL SPECIFICATIONS					
PARAMETER	SYMBOL	TEST CONDITIONS		VALUES	UNITS
Maximum forward voltage drop per leg See fig. 1	$V_{FM}^{(1)}$	200 A	$T_J = 25\text{ }^\circ\text{C}$	0.57	V
		400 A		0.73	
		200 A	$T_J = 125\text{ }^\circ\text{C}$	0.52	
		400 A		0.7	
Maximum reverse leakage current per leg See fig. 2	$I_{RM}^{(1)}$	$T_J = 25\text{ }^\circ\text{C}$	$V_R = \text{Rated } V_R$	20	mA
		$T_J = 125\text{ }^\circ\text{C}$		1.2	A
Threshold voltage	$V_{F(TO)}$	$T_J = T_J \text{ maximum}$		0.32	V
Forward slope resistance	$r_f$			0.81	m $\Omega$
Maximum junction capacitance per leg	$C_T$	$V_R = 5 V_{DC}$ (test signal range 100 kHz to 1 MHz) 25 $^\circ\text{C}$		10 300	pF
Typical series inductance per leg	$L_S$	From top of terminal hole to mounting plane		5.0	nH
Maximum voltage rate of change	dV/dt	Rated $V_R$		10 000	V/ $\mu\text{s}$

**Note**(1) Pulse width < 300  $\mu\text{s}$ , duty cycle < 2 %

THERMAL - MECHANICAL SPECIFICATIONS					
PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNITS
Maximum junction and storage temperature range	$T_J, T_{Stg}$	-55	-	150	$^\circ\text{C}$
Thermal resistance, junction to case per leg	$R_{thJC}$	-	-	0.19	$^\circ\text{C/W}$
Thermal resistance, junction to case per module		-	-	0.095	
Thermal resistance, case to heatsink	$R_{thCS}$	-	0.10	-	
Weight		-	68	-	g
		-	2.4	-	oz.
Mounting torque		35.4 (4)		53.1 (6)	lbf · in (N · m)
Mounting torque center hole		30 (3.4)		40 (4.6)	
Terminal torque		30 (3.4)	-	44.2 (5)	
Vertical pull		-	-	80	lbf · in
2" lever pull		-	-	35	

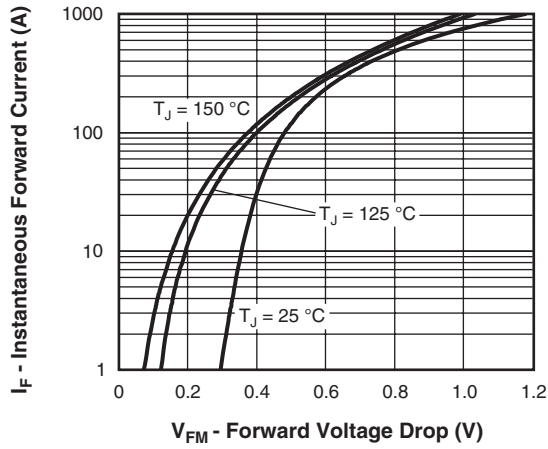


Fig. 1 - Maximum Forward Voltage Drop Characteristics (Per Leg)

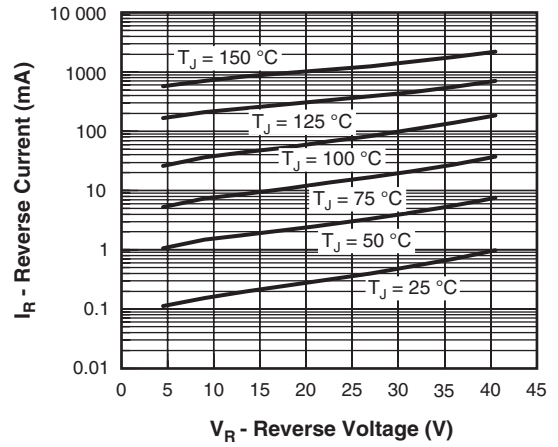


Fig. 2 - Typical Values of Reverse Current vs. Reverse Voltage (Per Leg)

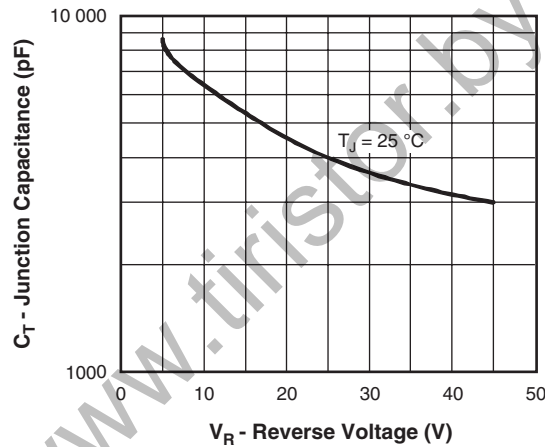


Fig. 3 - Typical Junction Capacitance vs. Reverse Voltage (Per Leg)

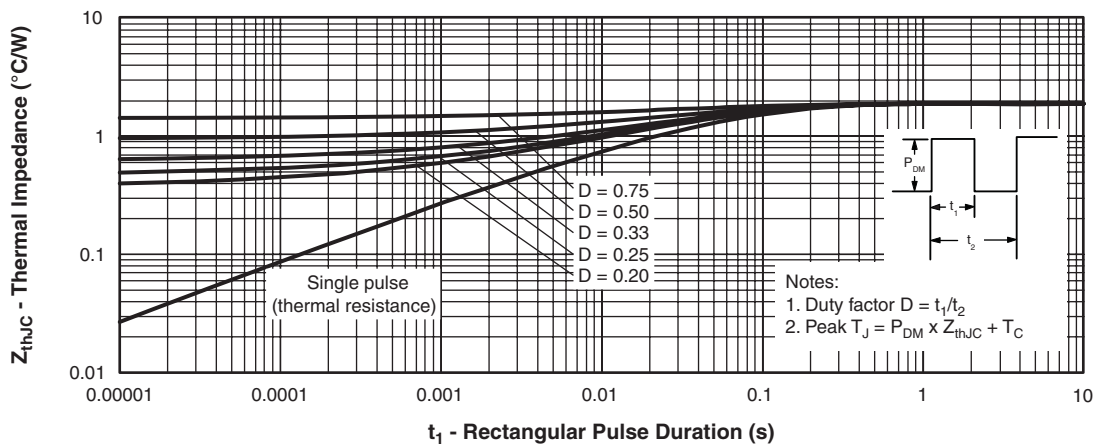


Fig. 4 - Maximum Thermal Impedance  $Z_{thJC}$  Characteristics (Per Leg)

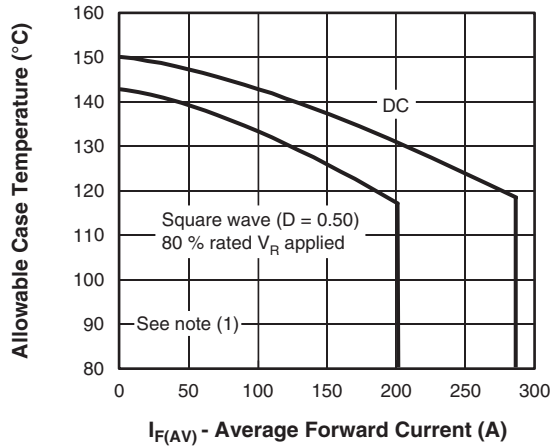


Fig. 5 - Maximum Allowable Case Temperature vs. Average Forward Current (Per Leg)

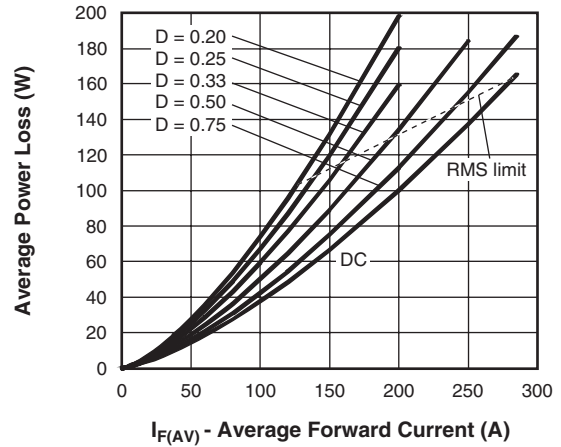


Fig. 6 - Forward Power Loss Characteristics (Per Leg)

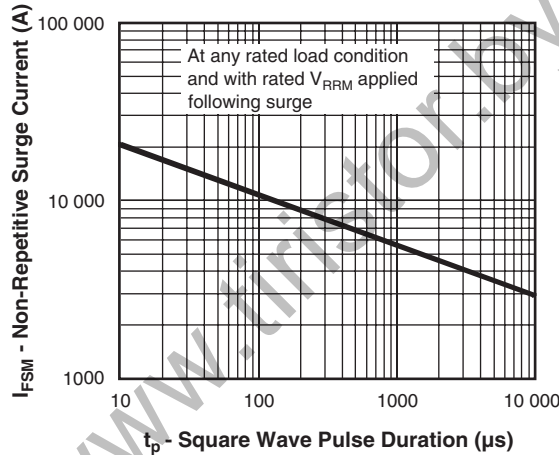


Fig. 7 - Maximum Non-Repetitive Surge Current (Per Leg)

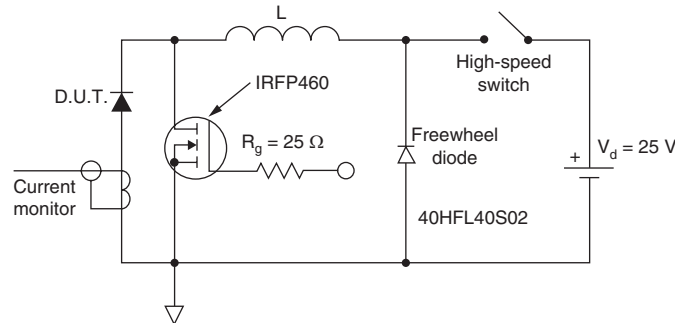


Fig. 8 - Unclamped Inductive Test Circuit

**Note**

- (1) Formula used:  $T_C = T_J - (P_d + P_{d_{REV}}) \times R_{thJC}$ ;  
 $P_d$  = Forward power loss =  $I_{F(AV)} \times V_{FM}$  at  $(I_{F(AV)}/D)$  (see fig. 6);  
 $P_{d_{REV}}$  = Inverse power loss =  $V_{R1} \times I_R (1 - D)$ ;  $I_R$  at  $V_{R1} = 80\%$  rated  $V_R$



**ORDERING INFORMATION TABLE**

Device code	<b>40</b>	<b>0</b>	<b>C</b>	<b>N</b>	<b>Q</b>	<b>045</b>	<b>PbF</b>
	①	②	③	④	⑤	⑥	⑦

- 1** - Average current rating (x 10)
- 2** - Product silicon identification
- 3** - C = Circuit configuration
- 4** - N = Not isolated
- 5** - Q = Schottky rectifier diode
- 6** - Voltage rating (045 = 45 V)
- 7** - Lead (Pb)-free

LINKS TO RELATED DOCUMENTS	
Dimensions	<a href="http://www.vishay.com/doc?95021">http://www.vishay.com/doc?95021</a>



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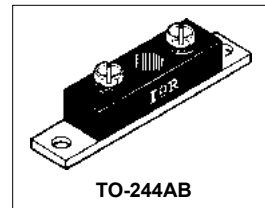
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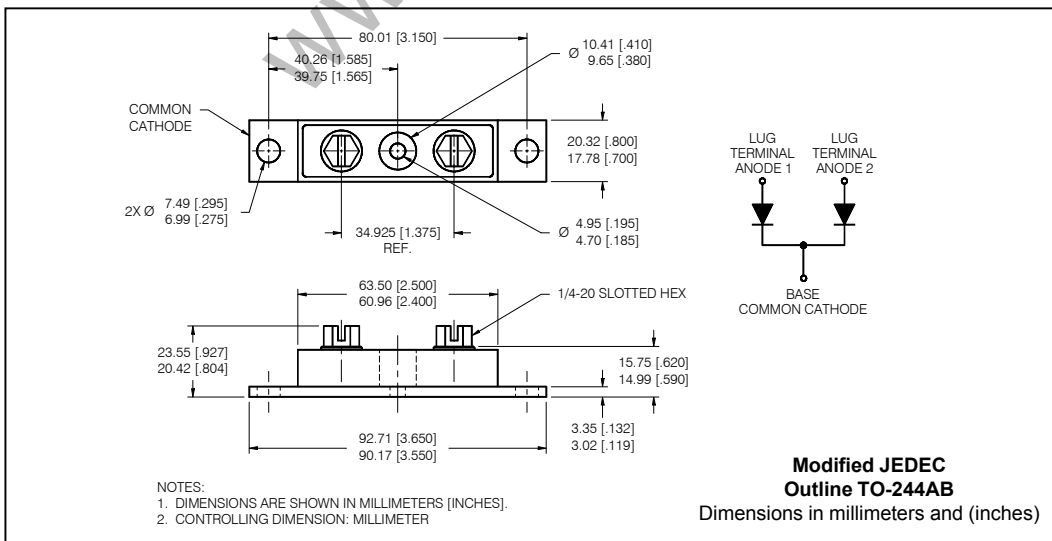
**Major Ratings and Characteristics**

Characteristics	400CNQ...	Units
$I_{F(AV)}$ Rectangular waveform	400	A
$V_{RRM}$ range	35 to 50	V
$I_{FSM}$ @tp = 5 $\mu$ s sine	29,000	A
$V_F$ @200Apk, $T_J = 125^\circ\text{C}$ (per leg)	0.52	V
$T_J$ range	-55 to 150	$^\circ\text{C}$

**Description/ Features**

The 400CNQ center tap, high current, Schottky rectifier module series has been optimized for very low forward voltage drop, with moderate leakage. The proprietary barrier technology allows for reliable operation up to 150  $^\circ\text{C}$  junction temperature. Typical applications are in switching power supplies, converters, free-wheeling diodes, welding, and reverse battery protection.

- 150  $^\circ\text{C}$   $T_J$  operation
- Center tap module
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Very low forward voltage drop
- High frequency operation
- Guard ring for enhanced ruggedness and long term reliability





## Voltage Ratings

Part number	400CNQ035	400CNQ040	400CNQ045	400CNQ050
$V_R$ Max. DC Reverse Voltage (V)	35	40	45	50
$V_{RWM}$ Max. Working Peak Reverse Voltage (V)				

## Absolute Maximum Ratings

Parameters	400CNQ	Units	Conditions
$I_{F(AV)}$ Max. Average Forward Current (Per Leg) * See Fig. 5 (Per Device)	200 400	A	50% duty cycle @ $T_C = 114^\circ\text{C}$ , rectangular wave form
$I_{FSM}$ Max. Peak One Cycle Non-Repetitive Surge Current (Per Leg) * See Fig. 7	29,000 3400	A	5 $\mu\text{s}$ Sine or 3 $\mu\text{s}$ Rect. pulse 10ms Sine or 6ms Rect. pulse Following any rated load condition and with rated $V_{RWM}$ applied
$E_{AS}$ Non-Repetitive Avalanche Energy (Per Leg)	180	mJ	$T_J = 25^\circ\text{C}$ , $I_{AS} = 40$ Amps, $L = 0.22$ mH
$I_{AR}$ Repetitive Avalanche Current (Per Leg)	40	A	Current decaying linearly to zero in 1 $\mu\text{sec}$ Frequency limited by $T_J$ , max. $V_A = 1.5 \times V_R$ typical

## Electrical Specifications

Parameters	400CNQ	Units	Conditions
$V_{FM}$ Max. Forward Voltage Drop (Per Leg) * See Fig. 1 (1)	0.57	V	@ 200A $T_J = 25^\circ\text{C}$
	0.73	V	@ 400A
	0.52	V	@ 200A $T_J = 125^\circ\text{C}$
	0.68	V	@ 400A
$I_{RM}$ Max. Reverse Leakage Current (Per Leg) * See Fig. 2 (1)	20	mA	$T_J = 25^\circ\text{C}$
	1	A	$T_J = 125^\circ\text{C}$ $V_R = \text{rated } V_R$
$V_{F(TO)}$ Threshold Voltage	0.32	V	$T_J = T_J \text{ max.}$
$r_t$ Forward Slope Resistance	0.81	m $\Omega$	
$C_T$ Max. Junction Capacitance (Per Leg)	10,300	pF	$V_R = 5V_{DC}$ , (test signal range 100Khz to 1Mhz) $25^\circ\text{C}$
$L_S$ Typical Series Inductance (Per Leg)	5.0	nH	From top of terminal hole to mounting plane
dv/dt Max. Voltage Rate of Change	10000	V/ $\mu\text{s}$	(Rated $V_R$ )

(1) Pulse Width < 300 $\mu\text{s}$ , Duty Cycle < 2%

## Thermal-Mechanical Specifications

Parameters	400CNQ	Units	Conditions
$T_J$ Max. Junction Temperature Range	-55 to 150	$^\circ\text{C}$	
$T_{stg}$ Max. Storage Temperature Range	-55 to 150	$^\circ\text{C}$	
$R_{thJC}$ Max. Thermal Resistance Junction to Case (Per Leg)	0.20	$^\circ\text{C}/\text{W}$	DC operation * See Fig. 4
$R_{thJC}$ Max. Thermal Resistance Junction to Case (Per Package)	0.10	$^\circ\text{C}/\text{W}$	DC operation
$R_{thCS}$ Typical Thermal Resistance, Case to Heatsink	0.10	$^\circ\text{C}/\text{W}$	Mounting surface, smooth and greased
wt Approximate Weight	79 (2.80)	g (oz.)	
T Mounting Torque Base	Min.	24 (20)	Kg-cm (lbf-in)
	Max.	35 (30)	
	Typ.	13.5 (12)	
	Min.	35 (30)	
	Max.	46 (40)	
Case Style	TO-244AB		Modified JEDEC

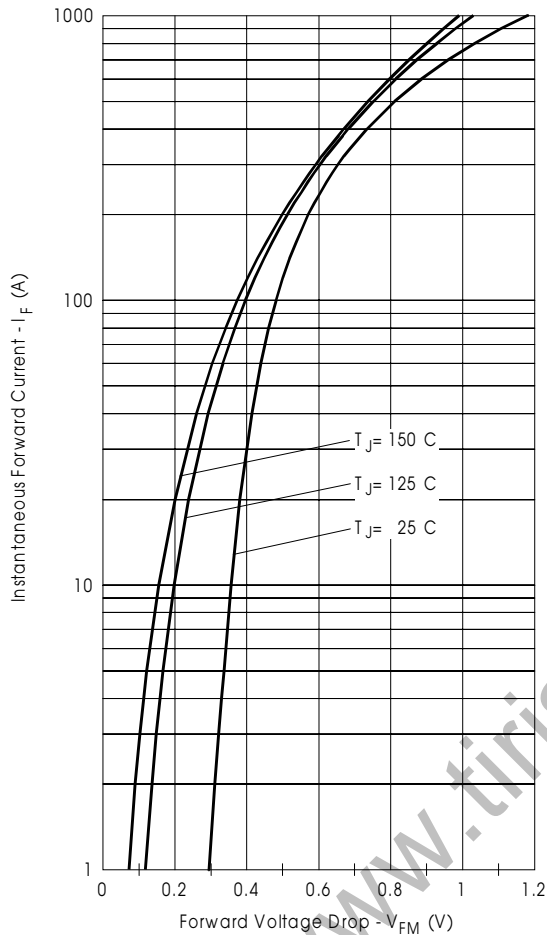


Fig. 1 - Max. Forward Voltage Drop Characteristics (Per Leg)

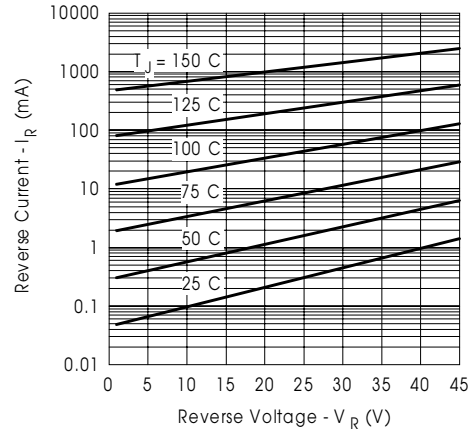


Fig. 2 - Typical Values Of Reverse Current Vs. Reverse Voltage (Per Leg)

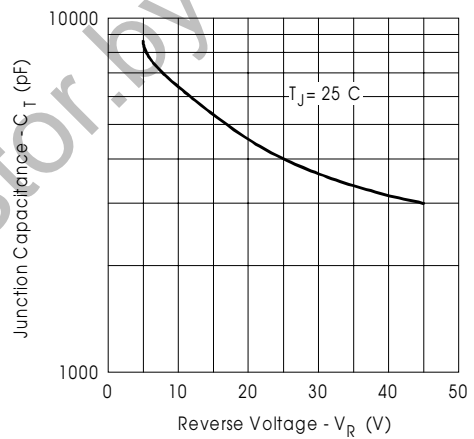


Fig. 3 - Typical Junction Capacitance Vs. Reverse Voltage (Per Leg)

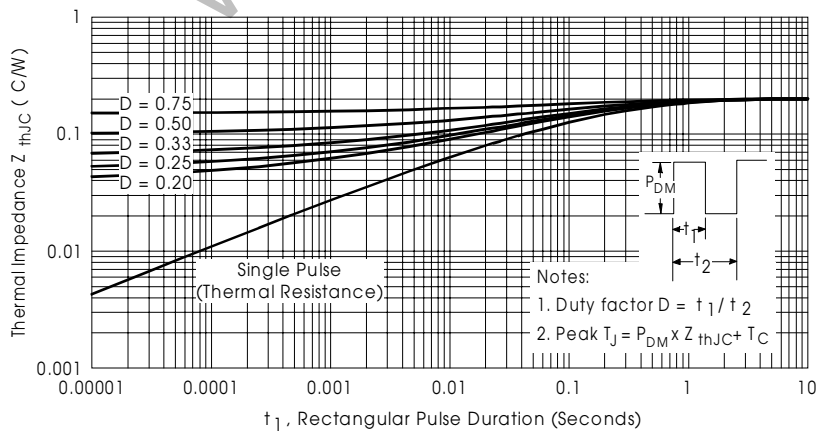


Fig. 4 - Max. Thermal Impedance  $Z_{thJC}$  Characteristics (Per Leg)

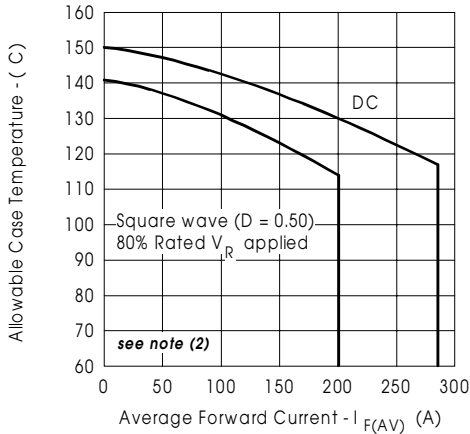


Fig. 5 - Max. Allowable Case Temperature Vs. Average Forward Current (Per Leg)

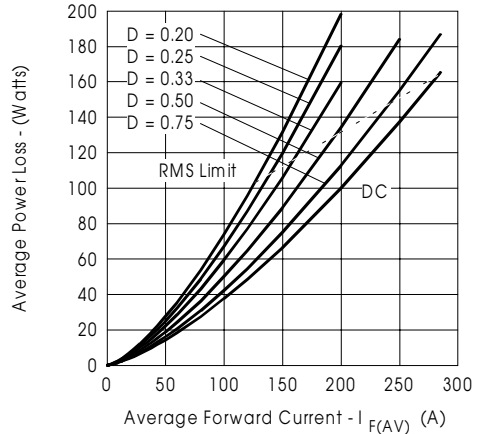


Fig. 6 - Forward Power Loss Characteristics (Per Leg)

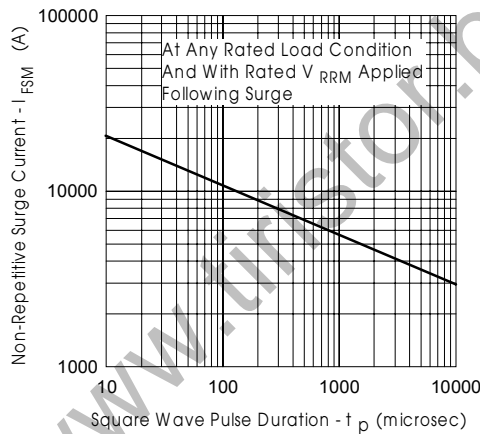


Fig. 7 - Max. Non-Repetitive Surge Current (Per Leg)

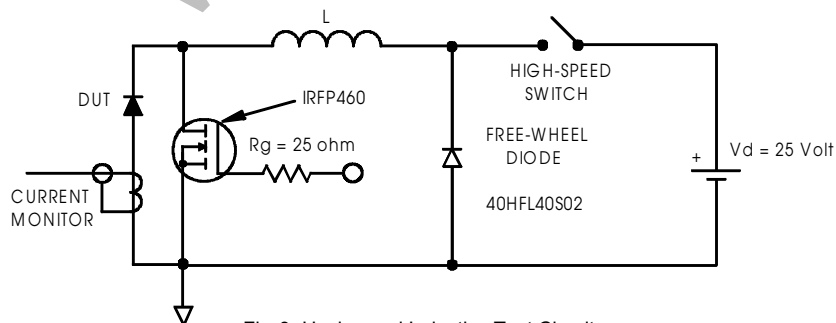


Fig. 8 - Unclamped Inductive Test Circuit

(2) Formula used:  $T_c = T_j - (Pd + Pd_{REV}) \times R_{thJC}$

$Pd$  = Forward Power Loss =  $I_{F(AV)} \times V_{FM} @ (I_{F(AV)} / D)$  (see Fig. 6);

$Pd_{REV}$  = Inverse Power Loss =  $V_{R1} \times I_{R1} (1 - D)$ ;  $I_{R1} @ V_{R1} = 80\%$  rated  $V_R$

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Data and specifications subject to change without notice.  
This product has been designed and qualified for Industrial Level.  
Qualification Standards can be found on IR's Web site.

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**VISHAY** VS-400CNQ045PbF  
Vishay Semiconductors

**High Performance Schottky Rectifier, 400 A**



**FEATURES**

- 100 °C  $T_J$  operation
- Cathode tie-mountable
- Very low forward voltage drop
- High frequency operation
- Guard ring for enhanced ruggedness and long term reliability
- UL approved for E201485
- Designed and qualified for industrial loads
- Material conformance for definition of compliance (please see [www.vishay.com/doc/93627/93627.pdf](http://www.vishay.com/doc/93627/93627.pdf))

**RoHS** Compliant

**PRIMARY CHARACTERISTICS**

Item	400 A
$V_F$	45 V
Package	TO-247
Mount configuration	Through-hole cathode

**DESCRIPTION / APPLICATIONS**

The VS-400CNQ045PbF series is a high-current Schottky rectifier module that has been optimized for very low forward voltage-drop, with moderate ratings. The proprietary barrier technology allows for reliable operation up to 100 °C junction temperatures. Typical applications are in switching power supplies, converters, inverter/charging diodes, welding, and reverse battery protection.

**MAJOR RATINGS AND CHARACTERISTICS**

PARAMETER	MAXIMUM CHARACTERISTICS	VS-400	UNIT
Item	Through-hole cathode	400	A
$V_F$		45	V
$I_{FSM}$	$T_J = 100^\circ\text{C}$	1000	A
$I_{RM}$	$T_J = 100^\circ\text{C}$	100	A
$V_{RRM}$	$T_J = 100^\circ\text{C}$	100	V
$V_{RM}$	Peak	45 to 100	V



QR код

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