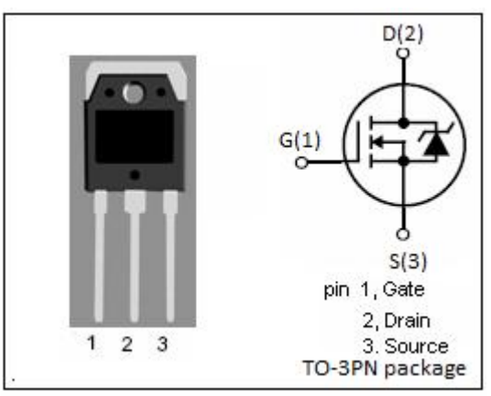
TAVAKOL ELECTRONIC
توکل الکترونیک
مرجع تخصصی تأمین قطعات الکترونیکی اورجینال
این دیتاشیت توسط توکل الکترونیک تهیه و ارائه شده است.
جهت مشاهده قیمت، موجودی و ثبت سفارش این قطعه به وب‌سایت توکل الکترونیک مراجعه فرمایید.
مشاهده قیمت و خرید
برای خرید و مشاهده سایر محصولات کلیک کنید

isc®

INCHANGE SEMICONDUCTOR

isc N-Channel MOSFET Transistor BUK436-800A/B



DESCRIPTION

- Drain Source Voltage-
  : V_{DSS}=800V(Min)
- Low $R_{DS(ON)}$
- Fast Switching Speed
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

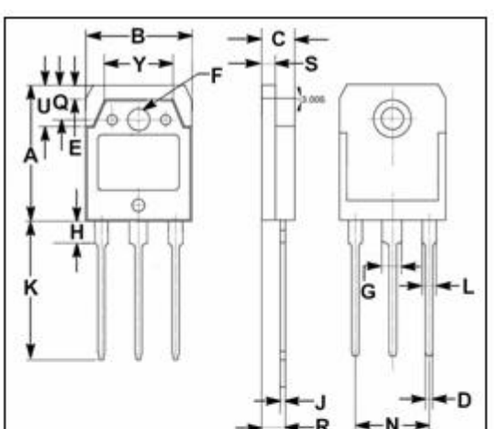
- Designed for Switched Mode Power Supplies (SMPS), motor control,welding, and in general purpose switching resistance applications

ABSOLUTE MAXIMUM RATINGS(T_a=25℃)

SYMBOL	ARAMETER		VALUE	UNIT
V_{DSS}	Drain-Source Voltage (V_{GS}=0)		800	V
V_{GS}	Gate-Source Voltage		±30	V
I_D	Drain Current-continuous@ TC=25℃	BUK436-800A	4	A
		BUK436-800B	3.5	
P_{tot}	Total Dissipation@TC=25℃		125	W
T_j	Max. Operating Junction Temperature		150	℃
T_{stg}	Storage Temperature Range		-55-150	℃

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j\text{-}c}$	Thermal Resistance,Junction to Case	1.0	℃/W
$R_{th\ j\text{-}a}$	Thermal Resistance,Junction to Ambient	45	℃/W



DIM	mm MIN	MAX
A	19.60	20.30
B	15.50	15.70
C	4.70	4.90
D	0.90	1.10
E	1.90	2.10
F	3.40	3.60
G	2.90	3.20
H	3.20	3.40
J	0.595	0.605
K	19.80	20.70
L	1.90	2.20
N	10.89	10.91
Q	4.90	5.10
R	3.35	3.45
S	1.995	2.100
U	5.90	6.20
Y	9.90	10.10

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• **ELECTRICAL CHARACTERISTICS (T_C=25℃)**

SYMBOL	PARAMETER	CONDITIONS		MIN	TYP	MAX	UNIT
$V_{(BR)DSS}$	Drain-Source Breakdown Voltage	V_{GS}=0; I_D= 0.25mA		800			V
$V_{GS(th)}$	Gate Threshold Voltage	V_{DS}=V_{GS}; I_D=1mA		2.0		4.0	V
$R_{DS(on)}$	Drain-Source On-stage Resistance	V_{GS}=10V; I_D=1.5A	BUK436-800A			3	Ω
			BUK436-800B			4	Ω
I_{GSS}	Gate Source Leakage Current	V_{GS}= ±30V;V_{DS}= 0				±100	nA
I_{DSS}	Zero Gate Voltage Drain Current	V_{DS}=800V; V_{GS}= 0				1.0	mA

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