

### Product Summary

The ZM060N06HD combines advanced trench MOSFET technology with a low resistance package to provide extremely low  $R_{DS(ON)}$ .



Trench technology  
 $R_{DS(ON)}$  to minimize conductive loss

nd Synchronous Rectifier



Part NO.	ZM060N06HD
Marking	ZM060N06H
Packing Information	REEL TAPE
Basic ordering unit (pcs)	2500

$T_C = 25$

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	$V_{DS}$	60	V
Gate-Source Voltage	$V_{GS}$	$\pm 20$	V
Continuous Drain Current	$I_{D@TC=25}$	60	A
	$I_{D@TC=75}$	45	A
	$I_{D@TC=100}$	38	A
Pulsed Drain Current	$I_{DM}$	160	A
Total Power Dissipation	$P_D@TC=25$	60	W
Total Power Dissipation	$P_D@TA=25$	2.0	W
Operating Junction Temperature	$T_J$	-55 to 150	
Storage Temperature	$T_{STG}$	-55 to 150	
Single Pulse Avalanche Energy	$E_{AS}$	210	mJ







Unit mm

SYMBOL	mi n	max	SYMBOL	mi n	max
A	2.10	2.50	B	0.85	1.25
b	0.50	0.80	b1	0.50	0.90
b2	0.45	0.70	C	0.45	0.70
D	6.30	6.75	D1	5.10	5.50
E	5.30	6.30	e1	2.25	2.35
L1	9.20	10.60	e2	4.45	4.75
L2	0.90	1.75	L3	0.60	1.10
K	0.00	0.23			

