

TECHNICAL DATA DATA SHEET 608, REV -

HERMETIC POWER MOSFET N-CHANNEL

FEATURES:

- 400 Volt, 0.24 Ohm, 16A MOSFET
- Low R_{DS (on)}

MAXIMUM RATINGS

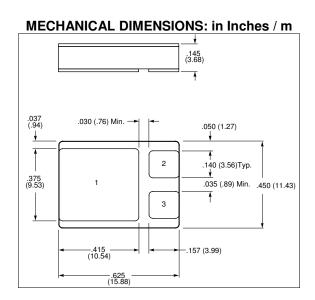
ALL RATINGS ARE AT $T_c = 25$ °C UNLESS OTHERWISE SPECIFIED.

RATING	SYMBOL	MIN.	TYP.	MAX.	UNITS
GATE TO SOURCE VOLTAGE	V_{GS}	-	-	±20	Volts
ON-STATE DRAIN CURRENT @ $T_C = 25^{\circ}C$	I _D	-	-	16	Amps
PULSED DRAIN CURRENT @ T _C = 25°C	I _{DM}	-	-	64	Amps
OPERATING AND STORAGE TEMPERATURE	T_{OP}/T_{STG}	-55	-	+150	°C
TOTAL DEVICE DISSIPATION @ T _C = 25°C	P _D	-	-	290	Watts
THERMAL RESISTANCE, JUNCTION TO CASE	R_{thJC}	-	-	0.43	°C/W

ELECTRICAL CHARACTERISTICS

BV _{DSS}	400	-	-	Volts
R _{DS(ON)}	-	-	0.24	Ω
$V_{GS(th)}$	2.0	-	4.0	Volts
g _{fs}	8.0	-	-	$S(1/\Omega)$
				, ,
	-	-		
I_{DSS}			250	μA
			1000	
I_{GSS}	-	-	100	nA
			-100	
$t_{d(ON)}$	-	29	-	
t _r		62		nsec
$t_{d(OFF)}$		76		
t _f		57		
Q_{g}	-	66	130	nC
Q_{gs}	-	17	-	nC
Q_gd	-	31	-	nC
$V_{\sf SD}$	-	-	1.6	Volts
t _{rr}	-	340	-	
				nsec
C _{iss}	-	2570	-	
Coss		330		pF
C_{rss}		82		
	$R_{DS(ON)}$ $V_{GS(th)}$ g_{fs} I_{DSS} I_{GSS} $t_{d(ON)}$ t_{r} $t_{d(OFF)}$ t_{f} Q_{g} Q_{gs} Q_{gd} V_{SD} t_{rr} C_{iss} C_{oss}	R _{DS(ON)}	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

DATA SHEET 608 REVISION -



LCC-3P

PINOUT TABLE

	PIN 1	PIN 2	PIN 3
N CHANNEL MOSFET IN	DRAIN	SOURCE	GATE
AN LCC-3P PACKAGE			



TECHNICAL DATA

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