



CHENMKO ENTERPRISE CO.,LTD

SURFACE MOUNT

P-Channel Enhancement Mode Field Effect Transistor

VOLTAGE 20 Volts CURRENT 5 Ampere

CHM8433JPT

Lead free devices

APPLICATION

- * Servo motor control.
- * Power MOSFET gate drivers.
- * Other switching applications.

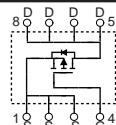
FEATURE

- * Small flat package. (SO-8)
- * Super high dense cell design for extremely low R_{DSON}(ON).
- * High power and current handing capability.
- * Lead free product is acquired.

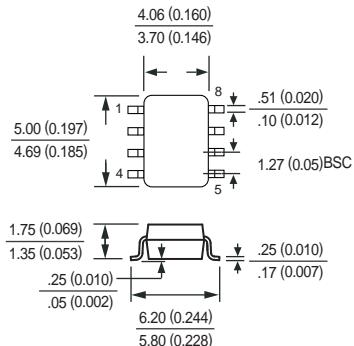
CONSTRUCTION

- * P-Channel Enhancement

CIRCUIT



SO-8



Dimensions in millimeters

SO-8

Absolute Maximum Ratings

T_A = 25°C unless otherwise noted

Symbol	Parameter	CHM8433JPT	Units
V _{DSS}	Drain-Source Voltage	-20	V
V _{GSS}	Gate-Source Voltage	±8	V
I _D	Maximum Drain Current - Continuous	-5.0	A
	- Pulsed (Note 3)	-20	
P _D	Maximum Power Dissipation	2500	mW
T _J	Operating Temperature Range	-55 to 150	°C
T _{STG}	Storage Temperature Range	-55 to 150	°C

Note : 1. Surface Mounted on FR4 Board , t <=10sec

2. Pulse Test , Pulse width <= 300us , Duty Cycle <= 2%

3. Repetitive Rating , Pulse width limited by maximum junction temperature

4. Guaranteed by design , not subject to production testing

Thermal characteristics

R _{θJA}	Thermal Resistance, Junction-to-Ambient (Note 1)	50	°C/W
2006-02			

