Silicon N-Channel MOS FET

HITACHI

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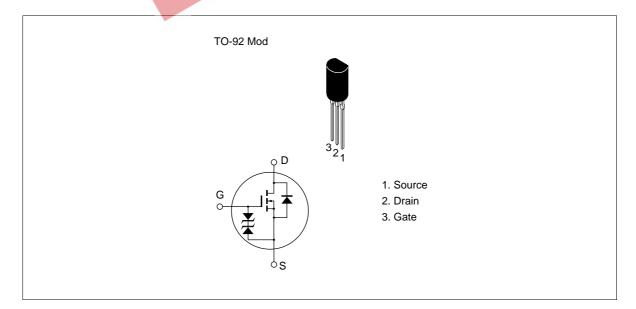
Application

High speed power switching

Features

- Low on-resistance
- High speed switching
- Low drive current
- 4 V gate drive device
 - Can be driven from 5 V source
- Suitable for motor drive, DC-DC converter, power switch and solenoid drive

Outline



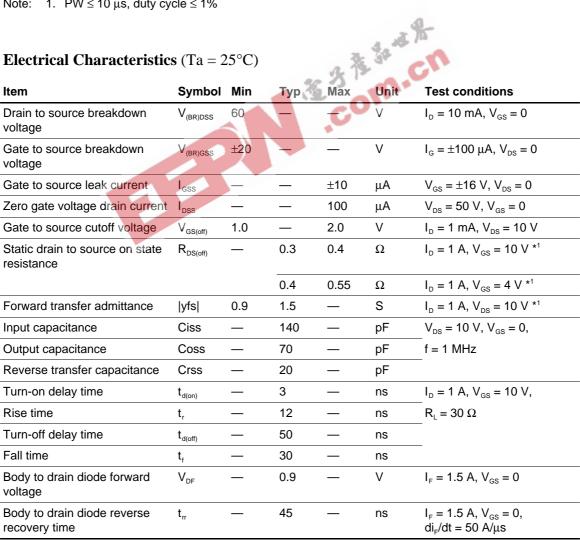


Absolute Maximum Ratings ($Ta = 25^{\circ}C$)

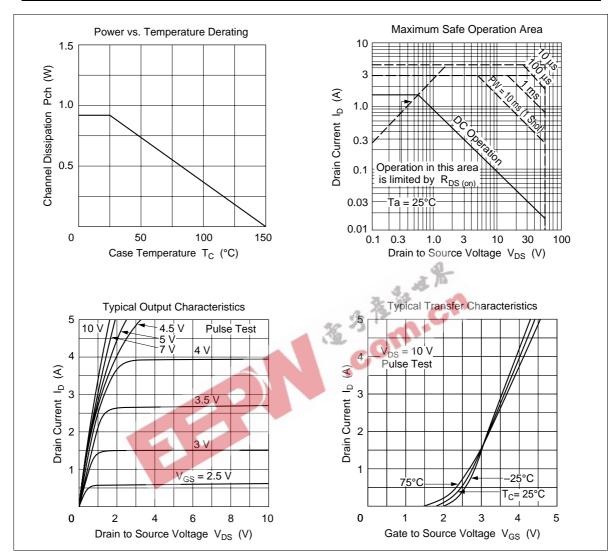
V _{DSS} V _{GSS}	60 +20	V
V _{GSS}	+20	
	±20	V
I _D	1.5	А
Lopulse) *1	4.5	А
I _{DR}	1.5	А
Pch	900	mW
Tch	150	°C
Tsta	-55 to +150	°C
-	I _{D(pulse)} I _{DR} Pch	I _{D(pulse)} 4.5 I _{DR} 1.5 Pch 900 Tch 150

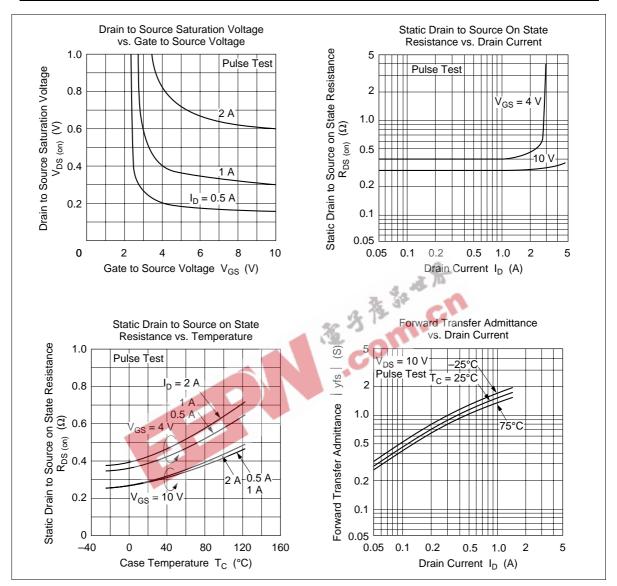
Note: 1. PW \leq 10 μ s, duty cycle \leq 1%

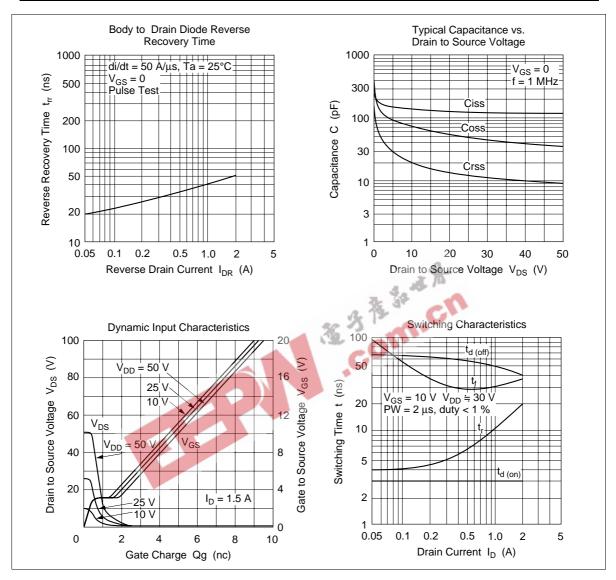
Electrical Characteristics (Ta = 25°C)

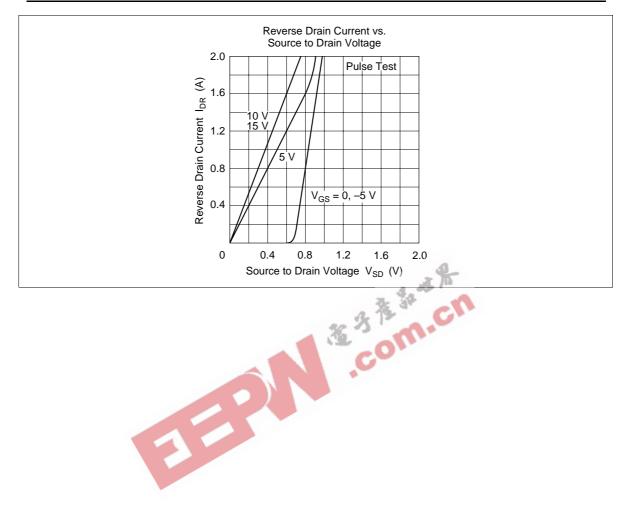


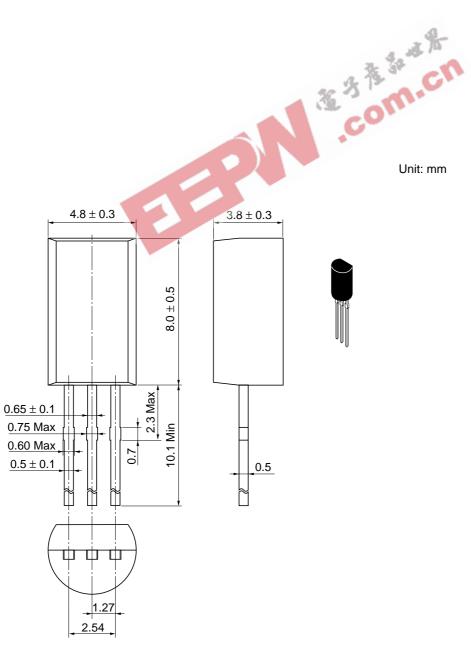
Note: 1. Pulse test











Hitachi Code	TO-92 Mod
JEDEC	
EIAJ	Conforms
Weight (reference value)	0.35 g

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