

Panasonic

FC8J33040L

Dual N-channel MOSFET

For switching

For DC-DC Converter

■ Features

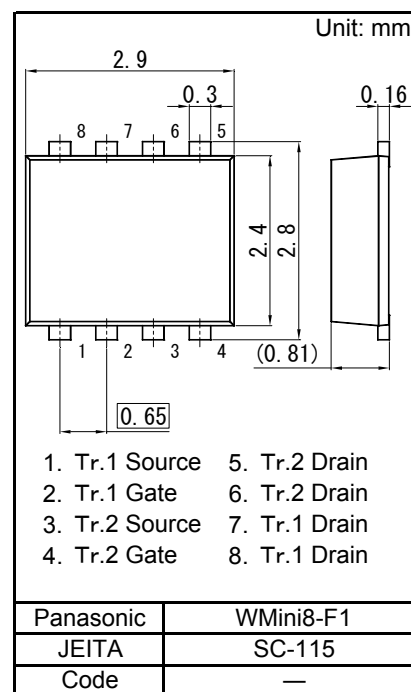
- Low drain-source On-state Resistance :
RDS(on) typ = 48 mΩ (VGS = 4.5 V)
- High-speed switching : Qg = 2.8 nC
- Halogen-free / RoHS compliant
(EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

■ Marking Symbol: 7A

■ Basic Part Number : Dual Nch MOS 33V (Individual)

■ Packaging

Embossed type (Thermo-compression sealing) : 3 000 pcs / reel (standard)

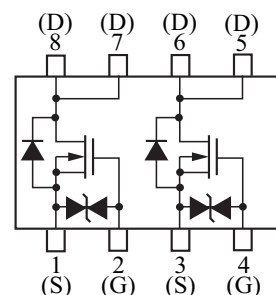


■ Absolute Maximum Ratings Ta = 25 °C Tr.1, Tr.2

Parameter	Symbol	Rating	Unit
Drain-source Voltage	VDS	33	V
Gate-source Voltage	VGS	±20	V
Drain Current (Steady State) ^{*1}	ID	5	A
Drain Current (t = 10 s) ^{*1}		5.5	
Drain Current (Pulsed) ^{*1,*2}		20	
Source Current (Pulsed) (Body Diode) ^{*1,*2}		5	
Total Power Dissipation (Steady State) ^{*1}	PD	1	W
Total Power Dissipation (t = 10 s) ^{*1}		1.3	
Channel Temperature	Tch	150	°C
Operating Ambient Temperature	Topr	-40 to + 85	°C
Storage Temperature Range	Tstg	-55 to +150	°C

Note) ^{*1} Device mounted on a glass-epoxy board (See Figure 1)^{*2} Pulse test: Ensure that the channel temperature does not exceed 150°C.

Internal Connection



Pin Name

- | | |
|----------------|---------------|
| 1. Tr.1 Source | 5. Tr.2 Drain |
| 2. Tr.1 Gate | 6. Tr.2 Drain |
| 3. Tr.2 Source | 7. Tr.1 Drain |
| 4. Tr.2 Gate | 8. Tr.1 Drain |

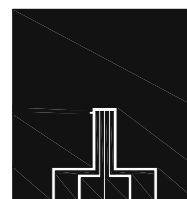


Figure1 FR4 Glass-Epoxy Board
25.4 mm × 25.4 mm × 0.8 mm