

Panasonic

MTM862270LBF

Silicon N-channel MOSFET

For Switching

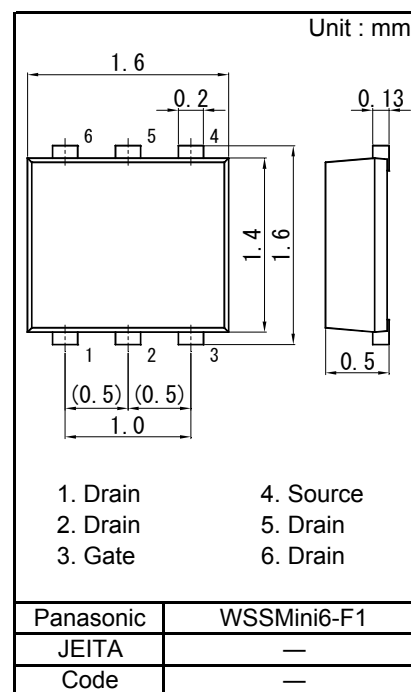
■ Features

- Low drain-source On-state Resistance : $R_{DS(on)}$ typ = 80 m Ω (V_{GS} = 4.0 V)
- Low drive voltage: 1.8V drive
- Halogen-free / RoHS compliant
(EU RoHS / UL-94 V-0 / MSL : Level 1 compliant)

■ Marking Symbol : JF

■ Packaging

Embossed type (Thermo-compression sealing) : 10 000 pcs / reel (standard)



■ Absolute Maximum Ratings $T_a = 25\text{ }^{\circ}\text{C}$

Parameter	Symbol	Rating	Unit
Drain to Source Voltage	V_{DS}	20	V
Gate to Source Voltage	V_{GS}	± 10	
Drain Current	I_D	2.2	A
Drain Current (Pulsed) ^{*1}	I_{Dp}	8.0	
Total Power Dissipation ^{*2}	PD	540	mW
Channel Temperature	T_{ch}	150	$^{\circ}\text{C}$
Operating Ambient Temperature	T_{opr}	-40 to +85	
Storage Temperature Range	T_{stg}	-55 to +150	

Note) ^{*1} Pulse width $t \leq 10\text{ }\mu\text{s}$, Duty cycle $\leq 1\%$

^{*2} Measuring on ceramic substrate at 40 mm $\times$ 38 mm $\times$ 0.2 mm
PD absolute maximum rating without a heat sink: 150 mW

