Panasonic

Junction FETs DSK9J01×0L

DSK9J01×0L Silicon N-channel Junciton FET

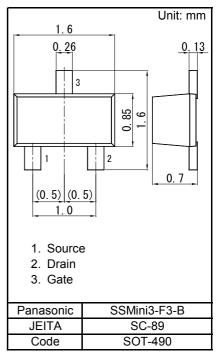
For low frequency amplificaton / For pyroelctric sensor DSK5J01 in SSMini3 type package

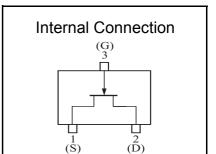
Features

- High gate-drain Voltage(Source open)VGDO
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol: B6

Packaging

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





■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit
Gate-drain voltage (Source short)	VGDS	-55	V
Drain current	ID	30	mA
Gate current	IG	10	mA
Power dissipation	PD	125	mW
Channel temperature	Tch	150	С°
Operating ambient temperature	Topr	-40 to +85	С°
Storage temperature	Tstg	-55 to +150	°C

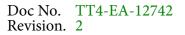
■ Electrical Characteristics Ta = 25 °C ± 3 °C

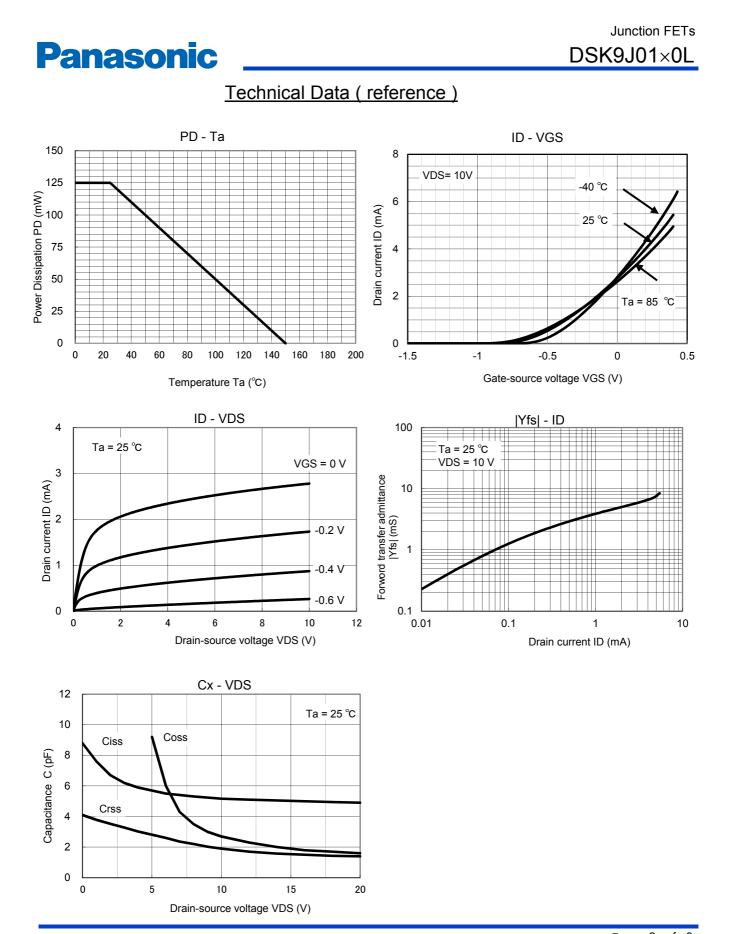
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Gate-drain voltage (Source short)	VGDS	IG = -100 μA, VDS = 0	-55			V
Drain current *1	IDSS	VDS = 10 V , VGS = 0	1.0		6.5	mA
Gate-source cutoff current	IGSS	VGS = -30 V, VDS = 0			-10	nA
Gate-source cutoff voltage	VGSC	VDS = 10 V, ID = 10 µA			-5	V
Forward transfer admittance	Yfs	VDS = 10 V, ID = 5 mA, f =1 kHz	2.5	7.5		mS
Small-signal short-circuit input capacitance	Ciss	VDS = 10 V, VGS = 0, f = 1 MHz		6.0		pF
Small-signal reverse transfer capacitance	Crss	VD3 = 10 V, $VG3 = 0, 1 = 1$ WHZ		2.5		pF

Note) Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 Measuring methods for transistors.

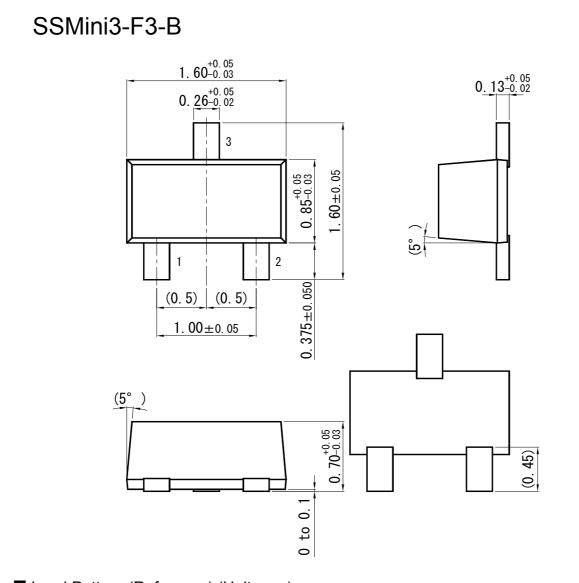
*1 Rank classification

		_			~	
Code	Р		Q			
Rank	Р		Q			
IDSS (mA)	1.0	to	3.0	2.0	to	6.5
Marking symbol	B6P		B6Q			

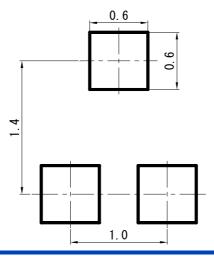




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Land Pattern (Reference) (Unit: mm)



Junction FETs

Unit: mm

DSK9J01×0L

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