Japanese Equivalent JFET Types

Silicon Junction Field-Effect Transistors

		Japanese	2SK17	2SK40	2SK59	2SK105
		InterFET	IFN17	IFN40	IFN59	IFN105
		Process	NJ16	NJ16	NJ16	NJ16
Parameters	Conditions	Unit Limit	N Channel	N Channel	N Channel	N Channel
BV_{GSS}	I_G = – 1.0 µA	V Min	– 20	– 50	– 30	– 50
I_{GSS}	V_{GS} = ( ), V_{DS} = Ø	nA Max	0.10 (–10 V)	1.0 (–30 V)	1.0 (–10 V)	1.0 (–30 V)
$V_{GS(off)}$	V_{DS} = ( ), I_D = 1.0 nA	V Min/Max	–0.5/–6.0 (10 V)	–0.4/–5.0 (15 V)	–0.4/–5.0 (10 V)	–0.25/–4.5 (5.0 V)
I_{DSS}	V_{DS} = ( ), V_{GS} = Ø	mA Min/Max	0.3/6.5 (10 V)	0.6/6.5 (15 V)	0.3/1.4 (10 V)	0.5/12 (5.0 V)
g_{fs}	V_{DS} = ( ), V_{GS} = Ø	mS Typ	2.0 (10 V)	2.0 (15 V)	1.5 (10 V)	2.1 (5.0 V)
C_{iss}	V_{GS} = ( ), V_{DS} = ( )	pF Typ	4.0 (Ø) (Ø)	4.0 (Ø) (15 V)		4.0 (Ø) (10 V)
C_{rss}	V_{GS} = ( ), V_{DS} = ( )	pF Typ	1.2 (– 10 V) (Ø)	1.2 (Ø) (15 V)		1.0 (Ø) (10 V)
		Package Configuration	TO-226AA	TO-226AA	TO-226AA	TO-226AA
		Pin Configuration	SGD	SGD	SGD	DGS

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