

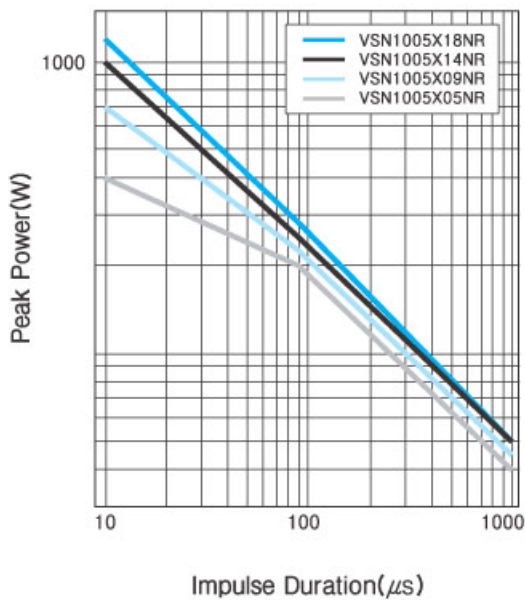
# Specifications (Normal Type)

## ESD Protection of RF Amplifier, FET, High Speed Data Line

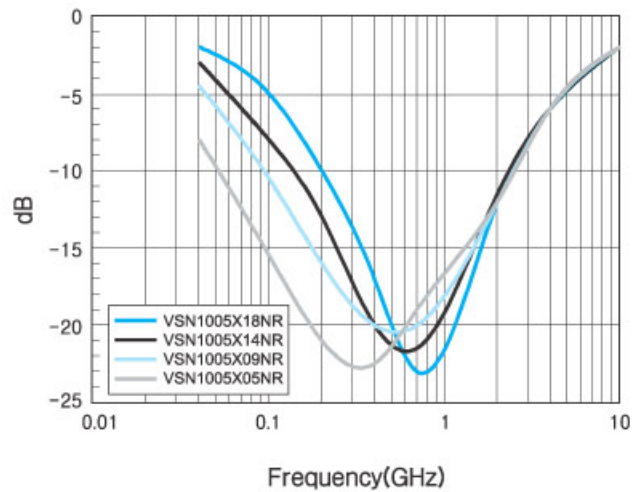
Part No.	Working Voltage	Varistor Voltage	Clamping Voltage	Max. Peak Current	Max Energy	Typical Capacitance pF@1MHz
	V <sub>w</sub> (DC)	V <sub>b</sub> (@1mA)	V <sub>c</sub>	I <sub>p</sub> (A)	E <sub>1</sub> (J)	
VSN1005X05NR	5.6	7.6~9.3	15.5	20	0.05	180
VSN1005X09NR	9	11.0~14.0	20	20	0.05	150
VSN1005X14NR	14	16.5~20.3	30	20	0.05	120
VSN1005X18NR	18	22.9~28.0	40	20	0.05	90

Note) See Page 81

Peak Power vs Pulse Duration



Insertion Loss Characteristics



## Specifications(Normal Type)

For ESD, CMOS Latch Up, FET Protection

Part No.	Working Voltage	Varistor Voltage	Clamping Voltage	Max. Peak Current	Max Energy	Typical Capacitance pF@1MHz
	V <sub>W(DC)</sub>	V <sub>B(@1mA)</sub>	V <sub>c</sub>	I <sub>P(A)</sub>	E <sub>t(J)</sub>	
VSN1608A05NR	5.6	7.6~9.3	16	30	0.1	800
VSN1608A09NR	9.0	11.0~14.0	20	30	0.1	500
VSN1608A12NR	12	14.8~18.3	27	40	0.1	350
VSN1608A14NR	14	16.5~20.3	30	30	0.1	250
VSN1608A18NR	18	22.9~28.0	40	30	0.1	200
VSN1608A26NR	26	31.0~38.0	58	30	0.1	70
VSN1608A30NR	30	37.0~46.0	65	30	0.1	70
VSN2012A05NR	5.6	7.6~9.3	16	40	0.1	1250
VSN2012A09NR	9	11.0~14.0	20	40	0.1	740
VSN2012A12NR	12	14.8~18.3	25	40	0.1	525
VSN2012A14NR	14	16.5~20.3	30	40	0.1	375
VSN2012A18NR	18	22.9~28.0	40	30	0.1	350
VSN2012A26NR	26	31.0~38.0	58	30	0.1	140
VSN2012A30NR	30	37.0~46.0	65	30	0.1	100
VSN3216A05NR	5.6	7.6~9.3	16	40	0.1	850
VSN3216A09NR	9	11.0~14.0	20	40	0.1	650
VSN3216A14NR	14	16.5~20.3	30	40	0.1	500
VSN3216A18NR	18	22.9~28.0	40	30	0.1	290
VSN3216A26NR	26	31.0~38.0	58	30	0.1	270
VSN3216A30NR	30	37.0~46.0	65	30	0.1	200

Note) See Page 81