

Standard Specifications

Type No.	Finished Dimensions [mm] ^{*1}			Inductance ^{*2} L [μ H]	Total Flux ^{*3} ϕ_c [μ Wb·t]	RDC [Ω] ^{*4}	Current ^{*5} [mA]	Insulating ^{*6} Cover	Packing [pcs/box]
	Width	Height	Thickness						
GS080W	8.3	13.9	4.7	23	5.28	1.8	40	Gray PC	2,000
GS200W	8.3	13.9	4.7	79	13.38	4.6	40	Black PC	2,000

*1 Tolerance ± 0.2 *2 Tolerance $\pm 25\%$: Measuring Condition : 1kHz, 100mA, R.T.

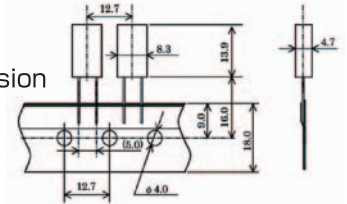
*3 Tolerance $\pm 25\%$: Measuring Condition : 50kHz, 240A/m (sine wave) R.T.

*4 Typical Value *5 Typical Value Calculated with Wire Diameter

*6 UL Standard 94V-0 Approved Material

Operating temperature has to be less than 85°C (include self rise up)

Taping Dimension



Examples of Effects

Diode Clamp
(68k Ω , 0.022 μ F)

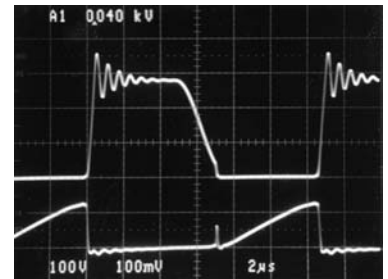
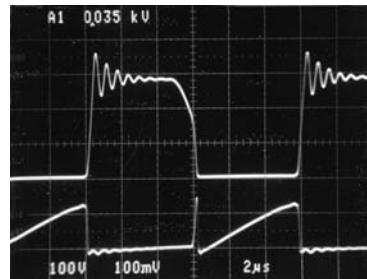
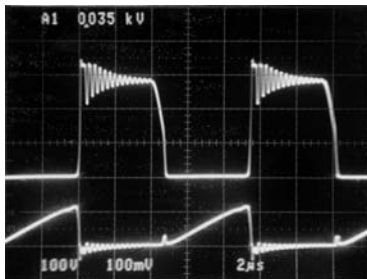
RC Snubber
(10 Ω , 1500 pF)

With GS200W

Switching
Waveform

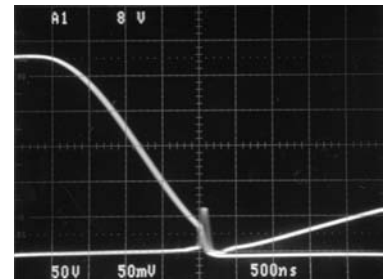
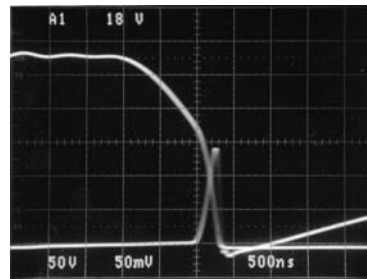
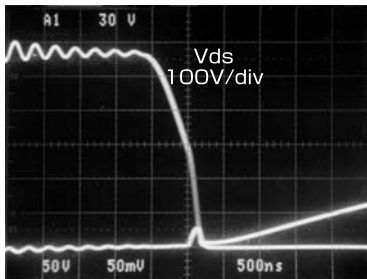
Vds
100V/div

Id
1A/div



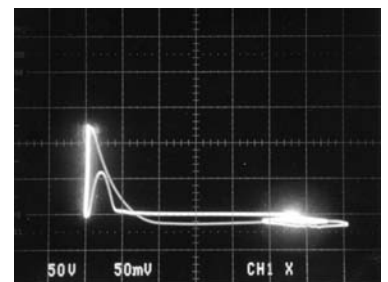
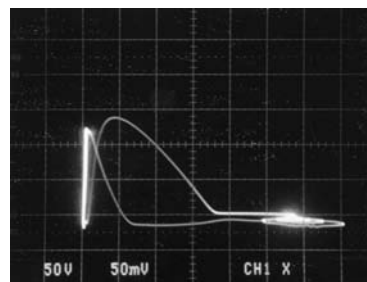
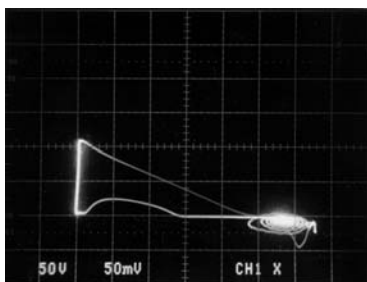
Turn-on
Waveform

Vds
100V/div



Locus of
MOSFET

horizontal axis
Vds
50V/div
vertical axis
Id
0.5A/div



Output Voltage
Noise

Vn
20mV/div

