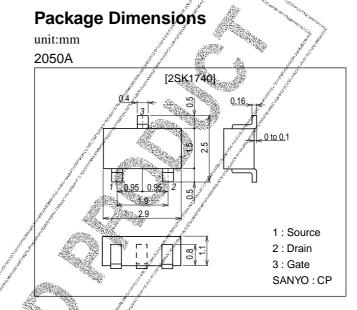


Features

- · Adoption of FBET process.
- \cdot Large $|y_{fs}|$.
- · Small Ciss.
- · Small-sized package permitting 2SK1740-applied sets to be made small and slim.



Specifications

Absolute Maximum Ratings at Ta = 25°C

Symbol	Ratings	Unit
VDSX	40	V
V _{GDS}	-40	V
/ lg	10	mA
ID A	75	mA
PD	250	mW
I. WARD	150	°C
Tstg	-55 to +150	°C
	Symbol Conditions VDSX VGDS IG	Symbol Conditions Ratings VDSX 40 Veps -40 Ig 10 Ip 75 Pp 250 Ti 150

Electrical Characteristics at Ta = 25°C

Parameter	Symbol		Ratings			Unit
		of the Conditions	min	typ	max	Unit
Gate-to-Drain Breakdown Voltage	V(BR)GDS	I _G =-10μΑ, V _{DS} =0	-40			V
Gate-to-Source Leakage Current	GSS	V _{GS} =-20V, V _{DS} =0V			-1.0	nA
Cutoff Voltage	V _{GS(off)}	V _{DS} =10V, I _D =100µA	-2.0	-3.0	-5.0	V
Zero-Gate Voltage Drain Current	IDSS*	V _{DS} =10V, V _{GS} =0V	40*		75*	mA
Forward Transfer Admittance	yfs,∦1	V _{DS} =10V, I _D =10mA, f=1kHz	10	15		mS
Forward Transier Admittance	. ∮ yfs 2	V _{DS} =10V, V _{GS} =0V, f=1kHz	22	30		mS

* : Pulse Test Pulse Width \$2ms

* : The 2SK1740 is classified by \mathbf{I}_{DSS} as follows (unit : mA) :

3 52 48 4 63 57 75 40 5

Marking !! I_{DSS} rank : 3, 4, 5

> Any and all SANYO products described or contained herein do not have specifications that can handle applications that fequire extremely high levels of reliability, such as life-support systems, aircraft's control-systems, or other applications whose failure can be reasonably expected to result in serious physical and/or material damage. Consult with your SANYO representative nearest you before using any SANYO products described or contained herein in such applications.

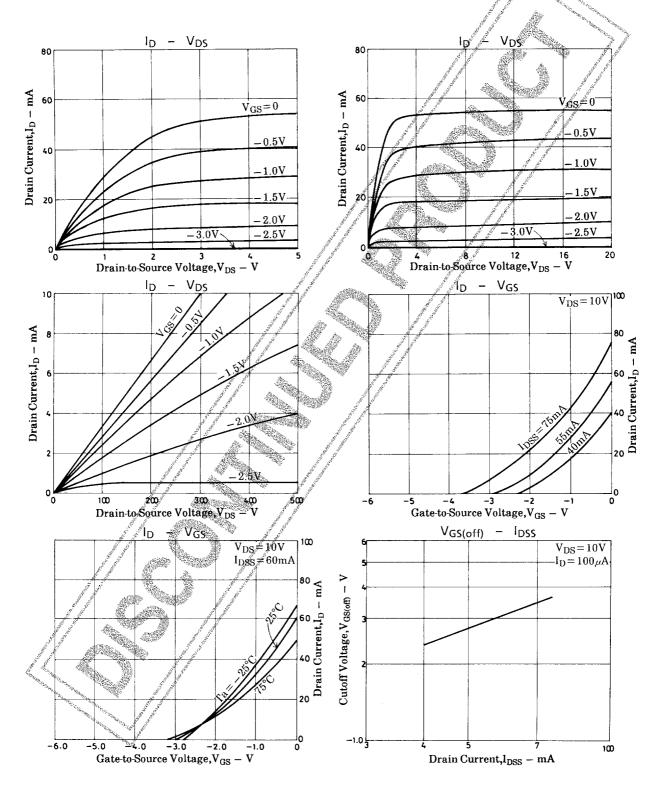
> SANYO assumes no responsibility for equipment failures that result from using products at values that exceed, even momentarily, rated values (such as maximum ratings, operating condition ranges, or other parameters) listed in products specifications of any and all SANYO products described or contained herein.

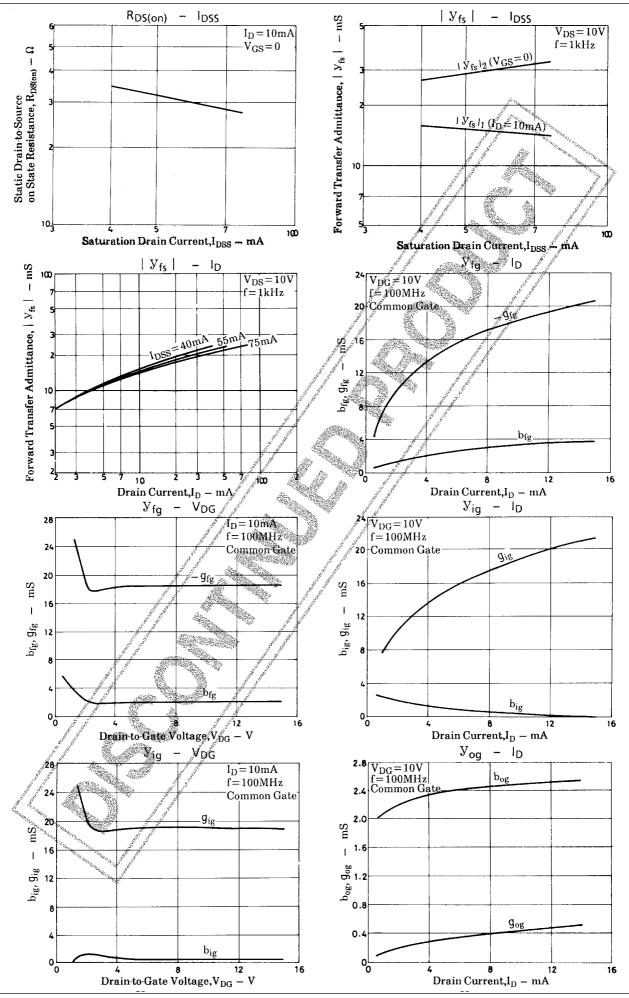
SANYO Electric Co., Ltd. Semiconductor Company TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110-8534 JAPAN

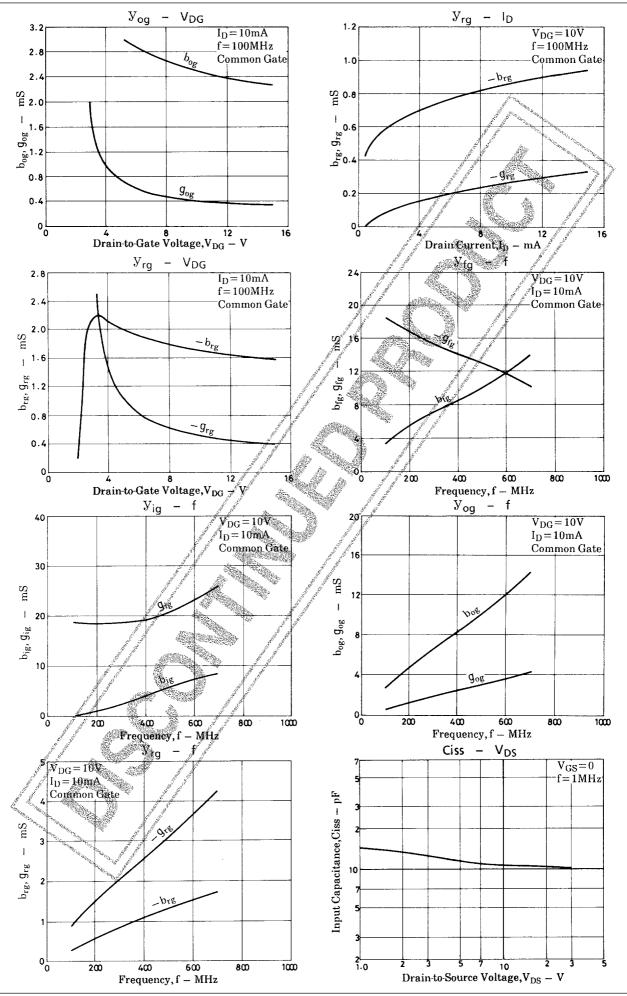
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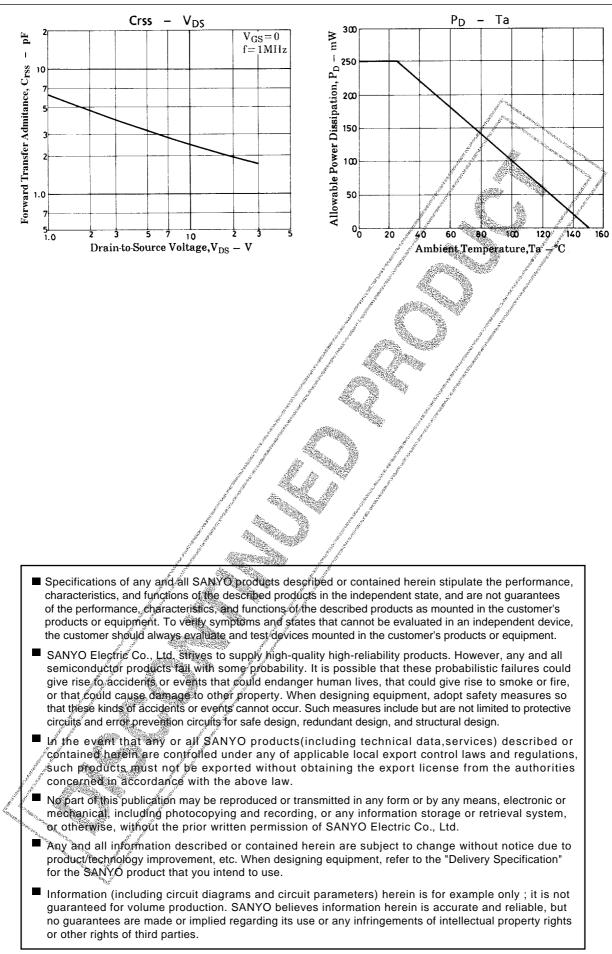
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Symbol	Conditions				
Symbol	Conditions	min	typ	max	Unit
Ciss	V _{DS} =10V, V _{GS} =0V, f=1MHz		11		pF
Crss	V _{DS} =10V, V _{GS} =0V, f=1MHz		2.5		pF
NF	V_{DS} =10V, Rg=1k Ω , I _D =1mA, f=1kHz		1.5		dB
DS(on)	I _D =10mA, V _{GS} =0	and a second	30		Ω
(Crss NF	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	$\begin{tabular}{l c c c c c c c c c c c c c c c c c c c$









This catalog provides information as of June, 1999. Specifications and information herein are subject to change without notice.