Ordering number: EN宣演261444供应商

SANYO

No.1420A

2SK444

unit

nΑ

mA mS pF pF dB

N-Channel Junction Silicon FET

Video Camera Applications

Features

- Large |y_{fs}|
- Small ciss
- Very low noise figure
- High frequency, low noise amp

Absolute Maximum Ratings/Ta = 25°C				unit	
Drain to source voltage	VDSS		15	V	
Gate to drain voltage	VGDS	•	-15	V	
Gate current	IG		10	mΑ	
Drain current	۱D		50	mΑ	
Power dissipation	P_{D}		200	mW	
Junction temperature	Τį		125	°C	
Storage temperature	T _{stg}	-55	to +125	°C	
Electrical Characteristics/T _a = 25°C			min	typ	ma
Gate to drain breakdown voltage	V(BR)GDS	$I_{G} = -10\mu A, V_{DS} = 0V$	-15	., 6	*****
Common source gate cutoff current	IGSS	$V_{GS} = -10V, V_{DS} = 0V$			-1
Gate to source cutoff voltage	VGS(off)	VDS = 5V, ID = 100μA		-0.9	-2

electrical Characteristics/Ta = 25°C			min	typ	max
Gate to drain breakdown voltage	V(BR)GDS	$I_{G} = -10\mu A, V_{DS} = 0V$	-15	-,,	******
Common source gate cutoff current	IGSS	$V_{GS} = -10V, V_{DS} = 0V$	-		-1.0
Gate to source cutoff voltage	VGS(off)	V _{DS} = 5V, I _D = 100μA		-0.9	-2.0
Drain current (gate-source shorted)	IDSS	$V_{DS} = 5V$, $V_{GS} = 0V$	5.0*		38.0*
Forward transfer admittance	Yfs	VDS = 5V, VGS = 0V, f = 1kHz	20	30	
Input capacitance	ciss	$V_{DS} = 5V$, $V_{GS} = 0V$, $f = 1MHz$		9.0	
Feedback capacitance	c _{rss}	$V_{DS} = 5V$, $V_{GS} = 0V$, $f = 1MHz$		2.8	
Noise figure	NF	$V_{DS} = 5V$, $R_q = 1k\Omega$,		1.5	
		In = 1m A f = 1k Uz			

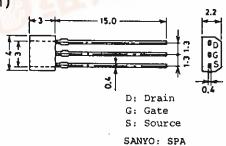
^{*:} The 2SK444 is classified by $V_{DS} = 5V$ as follows {unit: mA):

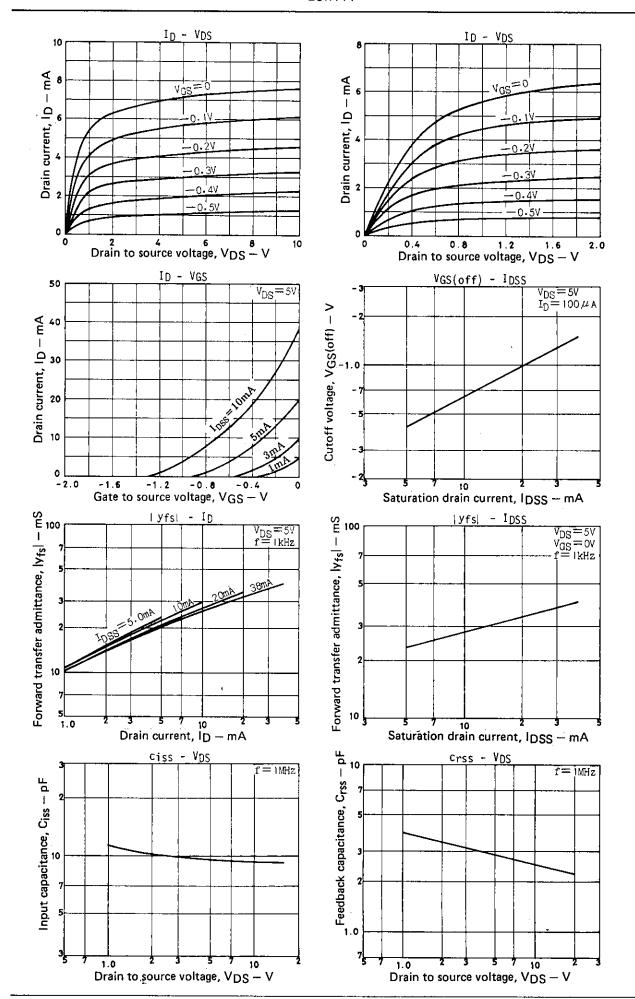
5.0	F	12.0	10.0	G	24.0	16.0	Н	38.0

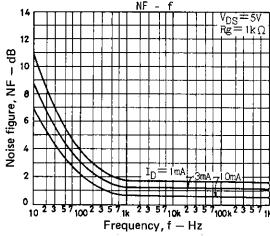
WWW.DZSC.COM

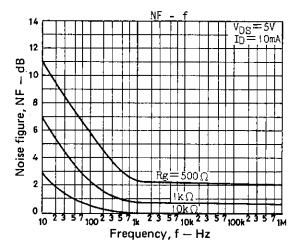
Package Dimensions 2034

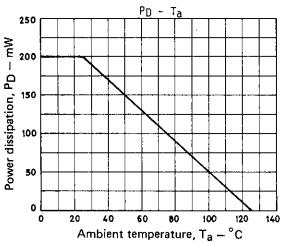
(unit: mm)











- No products described or contained herein are intended for use in surgical implants, life-support systems, aerospace equipment, nuclear power control systems, vehicles, disaster/crime-prevention equipment and the like, the failure of which may directly or indirectly cause injury, death or property loss.
- Anyone purchasing any products described or contained herein for an above-mentioned use shall:
 - Accept full responsibility and indemnify and defend SANYO ELECTRIC CO., LTD., its affiliates, subsidiaries and distributors and all their officers and employees, jointly and severally, against any and all claims and litigation and all damages, cost and expenses associated with such use:
 - ② Not impose any responsibility for any fault or negligence which may be cited in any such claim or litigation on SANYO ELECTRIC CO., LTD., its affiliates, subsidiaries and distributors or any of their officers and employees jointly or severally.
- Information (including circuit diagrams and circuit parameters) herein is for example only; it is not guaranteed for volume production. SANYO believes information herein is accurate and reliable, but no guarantees are made or implied regarding its use or any infringements of intellectual property rights or other rights of third parties.