

PF0020

查询PF0020供应商

4496205 0013622 082 HIT4

捷多邦, 专业PCB打样工厂, 24小时加

急出货

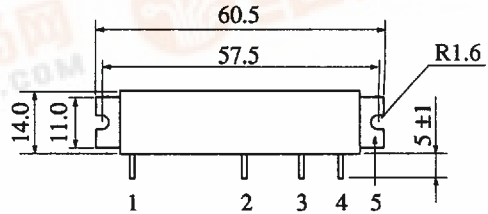
HITACHI/(OPTOELECTRONICS) 6JE D

MOS FET POWER AMPLIFIER

UHF Band 820-850 MHz

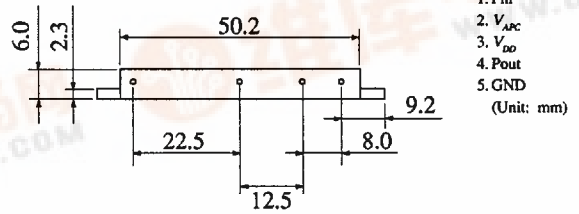
FEATURES

- Include Input and Output Matching Circuit
- Easy to Control Outout Power
- Superior to Stability at Load Mismatching



ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)

Item	Symbol	Rating	Unit
Supply Voltage	V_{DD}	17	V
Maximum Circuit Current	I_D	3.0	A
APC Voltage	V_{APC}	±8	V
Maximum Input Power	P_{in}	20	mW
Operating Maximum Case Temperature	$T_{C(op)}$	-40 ~ +100	°C
Storage Temperature	T_{stg}	-45 ~ +125	°C



ELECTRICAL CHARACTERISTICS (Ta = 25°C)

See characteristic curves of PF0010.

Item	Symbol	Test Condition	min.	typ.	max.	Unit
Drain Cutoff Current	I_{DS}	$V_{DD} = 17V, V_{APC} = 0$	—	—	500	μA
Total Efficiency	η_T	$f = 820, 850MHz,$	35	40	—	%
2nd Harmonic Distortion	2nd H. D.	$P_{in} = 2mW,$	—	-50	-30	dB
3rd Harmonic Distortion	3rd H. D.	$V_{DD} = 12.5V,$	—	-50	-30	dB
Input VSWR	VSWR (in)	$P_{out} = 6W$ (at APC Control)	—	1.5	3.0	—
Output VSWR	VSWR (out)	$Z_{in} = Z_{out} = 50\Omega$	—	1.5	—	—
Stability	—	$V_{DD} = 12.5V, P_{in} = 2mW, f = 820MHz$ $P_{out} = 6W$ (at APC Control), $R_f = 50\Omega,$ Output VSWR $\neq \infty$ All Phase, $t = 20sec$	No Parastic Oscillation			—