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MRF227

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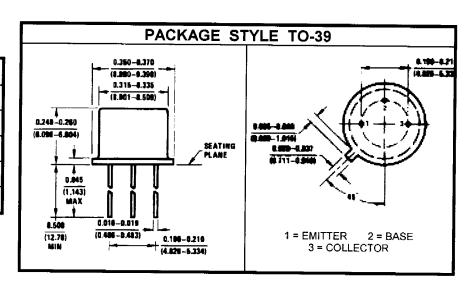
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SILICON NPN RF POWER TRANSISTOR

DESCRIPTION: The **MRF227** is designed for large signal power amplifier applications operating to 225 MHz

MAXIMUM RATINGS

Ic	0.6 A		
V _{CB}	36 V		
V _{CE}	16 V		
P _{DISS}	$8 \text{ W } @ \text{T}_{\text{C}} = 25 {}^{\text{O}}\text{C}$		
T_J	-65 °C to +200 °C		
T _{STG}	-65 °C to +200 °C		



CHARACTERISTICS To = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV _{CEO}	I _C = 50 mA	16			V
BV _{CES}	I _C = 50 mA	36	·#·		V
BV _{EBO}	I _C = 1.0 mA	4.0	₩.		V
I _{сво}	V _{CE} = 15 V			1.0	mA
H _{FE}	$V_{CE} = 5.0 \text{ V}$ $I_{C} = 100 \text{ mA}$	20		200	
Сов	V _{CB} = 12.5 V		*	15	Pf
G _{PE}	$P_{OUT} = 3.0 \text{ W } V_{CE} = 12.5 \text{ V} $ f = 225 MHz	13.5	15		dB
η	P _{OUT} = 3.0 W V _{CE} = 12.5 V f = 225 MHz	60			%
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NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However, NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.

Quality Semi-Conductors