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< Silicon RF Power MOS FET (Discrete)

> RD35HUP2 RoHS

Compliance, Silicon MOSFET Power

Transistor, 175MHz, 530MHz, 35W,

12.5V DESCRIPTION RD35HUP2 is a

MOS FET type transistor specifically

designed for VHF/UHF RF power

amplifiers applications. FEATURES 1.

Supply with Tape and Reel. 500 Units

per Reel 2. Employing Mold Package

3.

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> RD35HUP2

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At MACOM we offer a broad range of
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medical applications.

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> RD70HUP2 RoHS

Compliance, Silicon MOSFET Power
Transistor, 175MHz, 530MHz, 70W,
12.5V DESCRIPTION RD70HUP2 is a
MOS FET type transistor specifically
designed for VHF/UHF RF power

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amplifiers applications. FEATURES 1. Supply with Tape and Reel. 500 Units per Reel 2. Employing Mold Package 3.

< Silicon RF Power MOS FET (Discrete)
> RD70HUP2

RoHS Compliance, Silicon MOSFET Power Transistor 527MHz,1W DESCRIPTION. RD01MUS2B is a MOS FET type transistor specifically designed for VHF/UHF RF amplifiers applications. This device has an internal monolithic zener diode from gate to source for ESD protection. FEATURES.

< Silicon RF Power MOS FET (Discrete)
> RD01MUS2B

Description RD01MUS3 is a 2-stage MOSFET transistor for RF driver device. Designed for specifically

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VHF/UHF/940MHz-band RF power amplifiers applications.

< Silicon RF Power MOS FET (Discrete)

> RD01MUS3

< Silicon RF Power MOS FET (Discrete)

> RD16HHF1 RoHS Compliance,

Silicon MOSFET Power Transistor

30MHz,16W DESCRIPTION RD16HHF1

is a MOS FET type transistor

specifically designed for HF RF power

amplifiers applications. FEATURES

High power gain: $P_{out} > 16W$,

$G_p > 16dB$ @ $V_{dd} = 12.5V, f = 30MHz$

APPLICATION For output stage of

high power amplifiers in

< Silicon RF Power MOS FET (Discrete)

> RD16HHF1

< Silicon RF Power MOS FET (Discrete)

> RD100HHF1C RoHS Compliance,

Silicon MOSFET Power Transistor

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30MHz,100W DESCRIPTION

RD100HHF1C is a MOS FET type transistor specifically designed for HF High power amplifiers applications.

FEATURES High power .and High

Gain: $P_{out} > 100W$, $G_p > 11.5dB$

@VDD=12.5V, $f=30MHz$ High

Efficiency: 60%typ.on HF Band

< Silicon RF Power MOS FET (Discrete)

> RD100HHF1C

Mitsubishi Silicon RF devices which are the key parts for amplifying power of the transmission stage of mobile wireless communication devices in the high frequency band from several MHz to 1GHz robustly support wireless communication networks with a wide range of product lineup such as mobile professional radio equipment for public agency use, amateur radio

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equipment, and the onboard vehicle telematics market.

Silicon RF Devices - Mitsubishi Electric
< Silicon RF Power MOS FET (Discrete)

> RD60HUF1 RoHS Compliance,
Silicon MOSFET Power Transistor
520MHz,60W DESCRIPTION

RD60HUF1 is a MOS FET type transistor specifically designed for UHF High power amplifiers applications. FEATURES High power and High Gain: Pout>60W, Gp>7.7dB @Vdd=12.5V,f=520MHz High Efficiency: 55%typ.on UHF Band

APPLICATION

< Silicon RF Power MOS FET (Discrete)
> RD60HUF1

< Silicon RF Power MOS FET (Discrete)
> RD07MVS1 RoHS Compliant, Silicon MOSFET Power

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Transistor, 175MHz, 520MHz, 7W
DESCRIPTION RD07MVS1 is a MOS FET type transistor specifically designed for VHF/UHF RF power amplifiers applications. FEATURES High power gain: $P_{out} > 7W$, $G_p > 10dB @ V_{dd} = 7.2V, f = 520MHz$ High Efficiency: 60% typ. (175MHz) High Efficiency: 55 ...

< Silicon RF Power MOS FET (Discrete)
> RD07MVS1

RD02MUS2 is a MOS FET type transistor specifically designed for VHF/U RF power amplifiers applications. This device has an internal monolithic zener diode from gate to source for ESD protection.

< Silicon RF Power MOS FET (Discrete)
> RD02MUS2

The deployment of digital networks

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has required migration to multi-carrier RF power amplifiers with stringent demands on linearity and efficiency. This book describes the physics, design considerations and RF performance of silicon power Metal-Oxide-Semiconductor Field Effect Transistors (MOSFETs) that are at the heart of the power amplifiers.

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TT Electronics' range of RF power MOSFETs is one of the widest available and includes over 100 devices including D2254UK. There is a device for almost any application - from low cost to ultrahigh performance, from 750mW to over 400W, and for frequencies to 1GHz. Parts for 12.5V, 28V and 50V are available in both single-ended and

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push-pull formats.

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The deployment of digital networks has required migration to multi-carrier RF power amplifiers with stringent demands on linearity and efficiency. This book describes the physics, design...

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For output stage of high power amplifiers in < Silicon RF Power MOS FET (Discrete) > RD07MVS1 RoHS Compliance, Silicon MOSFET Power Transistor, 175MHz, 520MHz, 7W, 7.2V DESCRIPTION RD07MVS1 is a MOS FET type transistor specifically designed for VHF/UHF RF power amplifiers applications. FEATURES

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High power gain: $P_{out} > 7W$,
 $G_p > 10dB @ V_{dd} = 7.2V, f = 520MHz$

< Silicon RF Power MOS FET (Discrete)
> RD07MVS1

The silicon -based RF LDMOS (radio-frequency LDMOS) is the most widely used RF power amplifier in mobile networks, enabling the majority of the world's cellular voice and data traffic.

LDMOS - Wikipedia

Silicon carbide (SiC) is a well-established device technology with clear advantages over silicon (Si) technologies, including Si superjunction (SJ) and insulated-gate bipolar transistors (IGBTs), in the 900 V to over 1,200 V high-voltage, high-switching-frequency applications. 1 The recent introduction of the 650 V

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Silicon RF Power MOSFETS Silicon Carbide Power Devices Modeling and

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