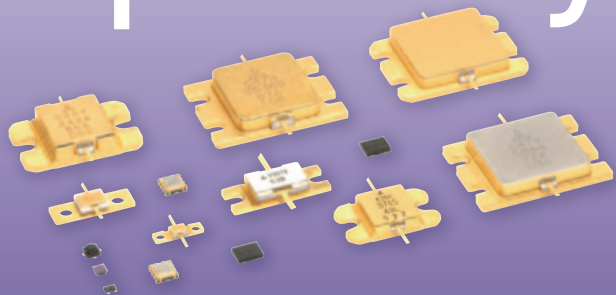


Mitsubishi High Frequency Solutions for Communication Networks in the Information Era.

High Frequency Devices



for a greener tomorrow



MITSUBISHI GaAs/GaN Devices: The Best Solution for Realizing

Communication networks, such as high speed Internet, video-on-demand and high-speed data communication, are developing rapidly. We are ready to offer the best solution to the systems for realizing the information era by providing a variety of GaAs/GaN products designed for satellite communication systems to base stations and cellular handset applications.

LINE UP

MAP FOR SELECTION

PRODUCT LIST

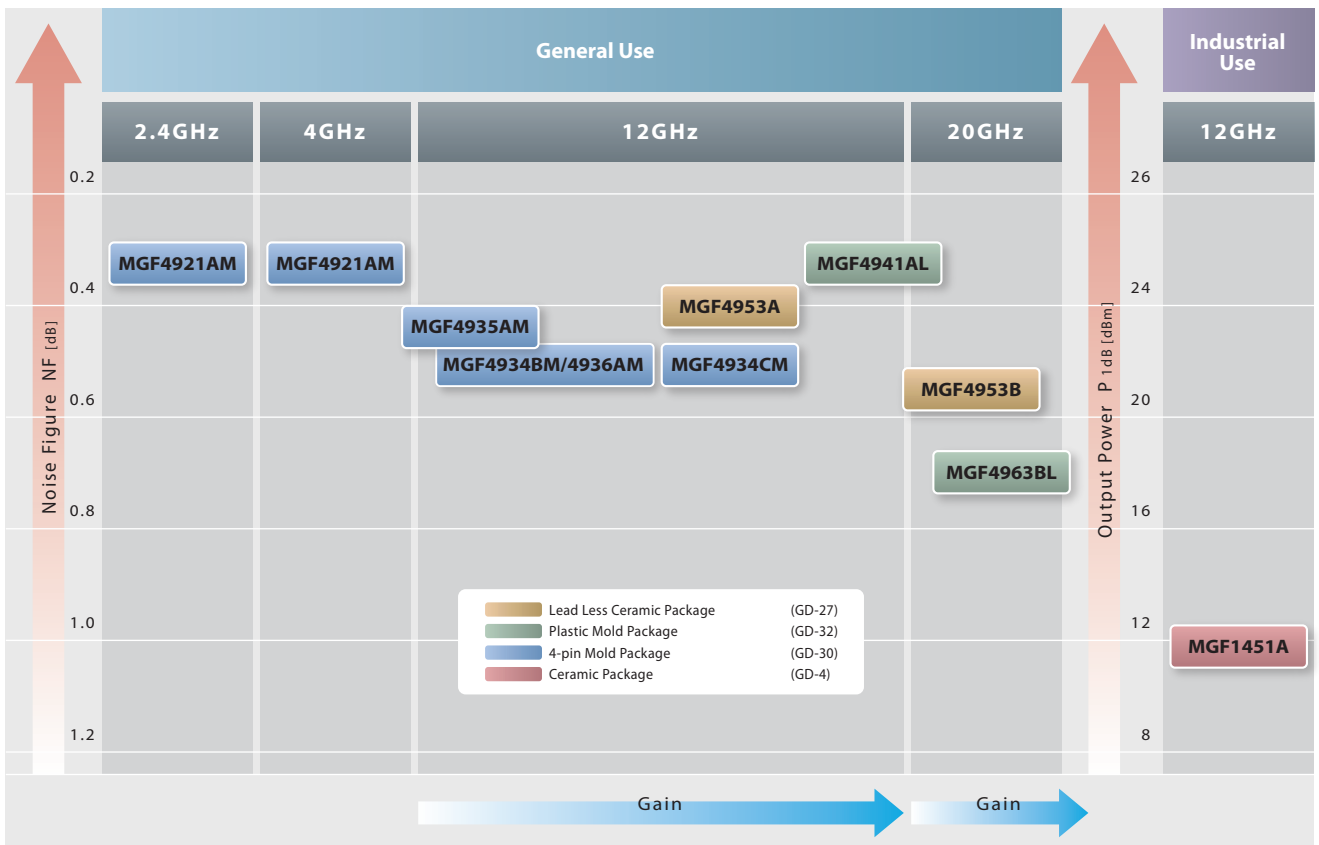
APPLICATION EXAMPLES

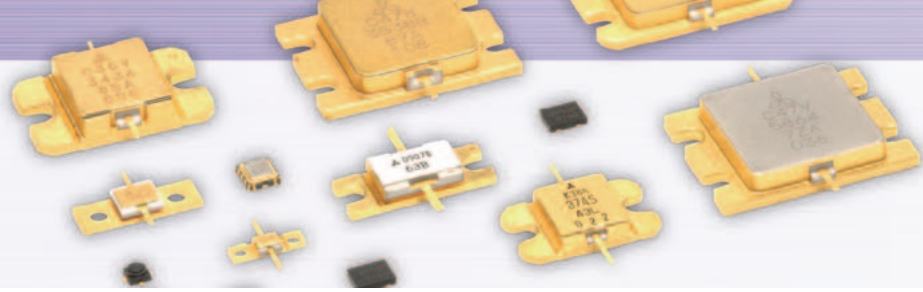
LINE UP

| High Frequency Devices | For Communications | GaAs FET Series for Microwave-band Low-Noise Amplifiers | MAP For SELECTION | PRODUCT LIST |
|------------------------|---------------------|---|-------------------|--------------|
| | | | Page 1 | Page 5 |
| | | GaAs FET Series for Microwave-band High Power Amplifiers (Discrete Devices) | Page 2 | Page 5 |
| | | GaN FET Series for Microwave-band High Power Amplifiers (Discrete Devices) | Page 2 | Page 6 |
| | | Internally Matched GaAs FET Series for Microwave-band High Power Amplifiers | Page 3 | Page 6,7 |
| | For Mobile Terminal | GaAs Power Amplifiers for Mobile Phone | Page 3 | Page 8 |
| | | GaAs Amplifiers for WiMAX / Wi-Fi | Page 4 | Page 8 |

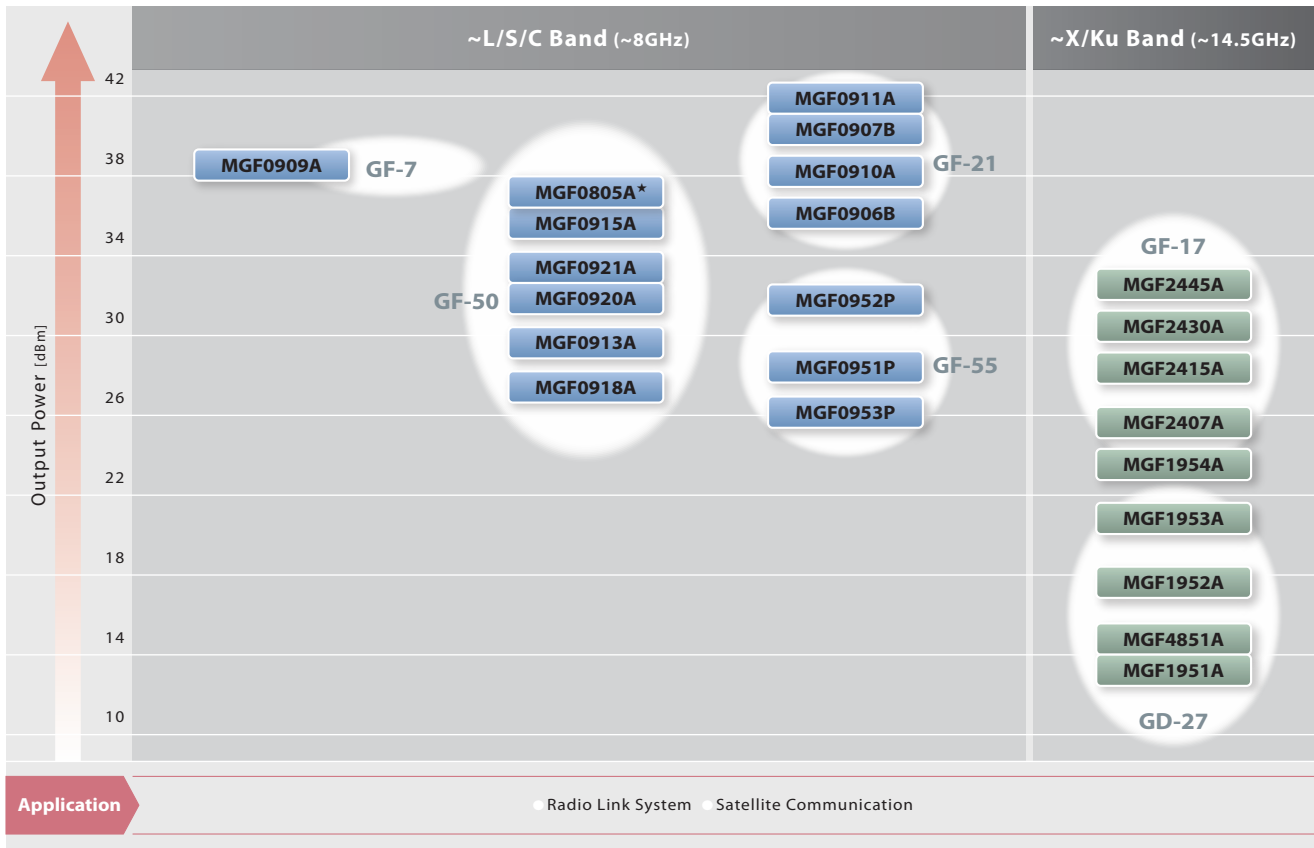
MAP FOR SELECTION

GaAs FET SERIES FOR MICROWAVE-BAND LOW-NOISE AMPLIFIERS



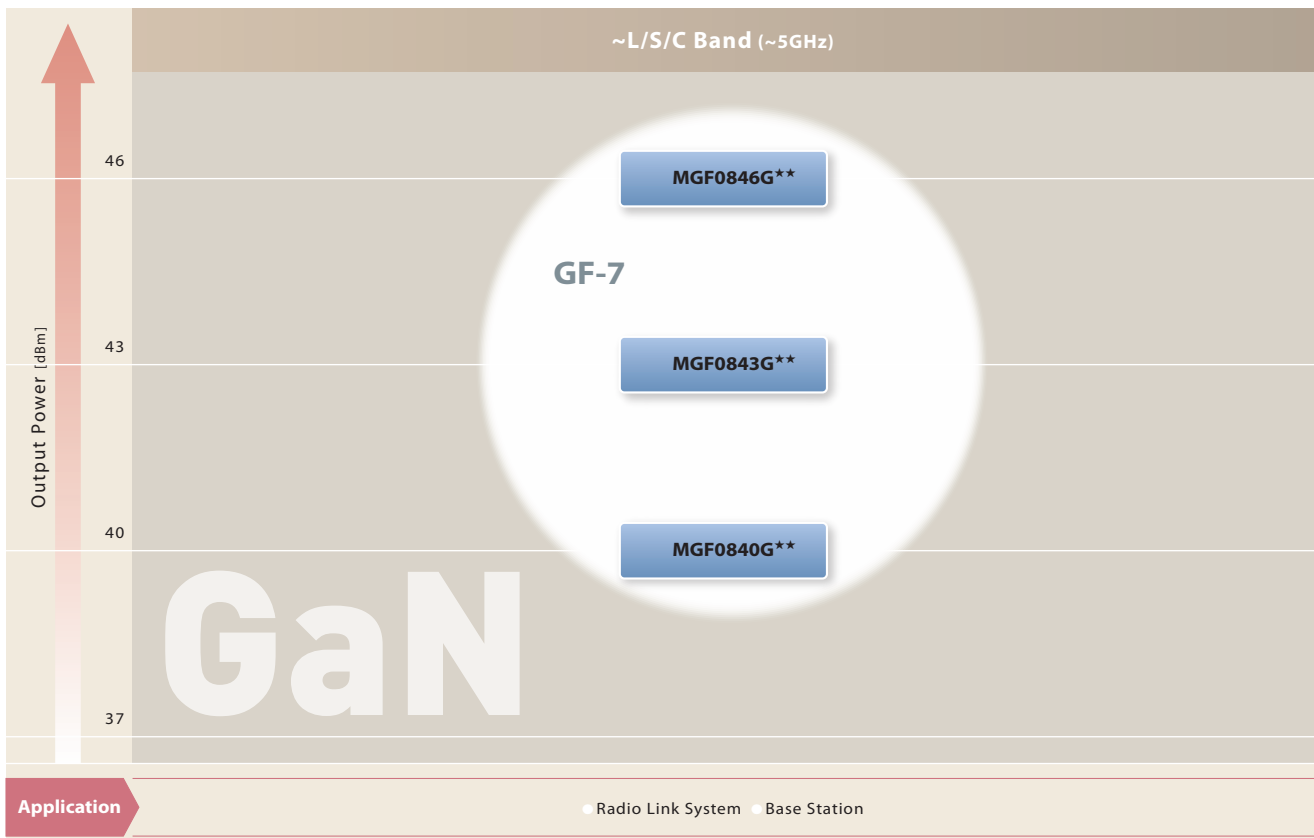


GaAs FET SERIES FOR MICROWAVE-BAND HIGH POWER AMPLIFIERS (Discrete Devices)



★: New Product

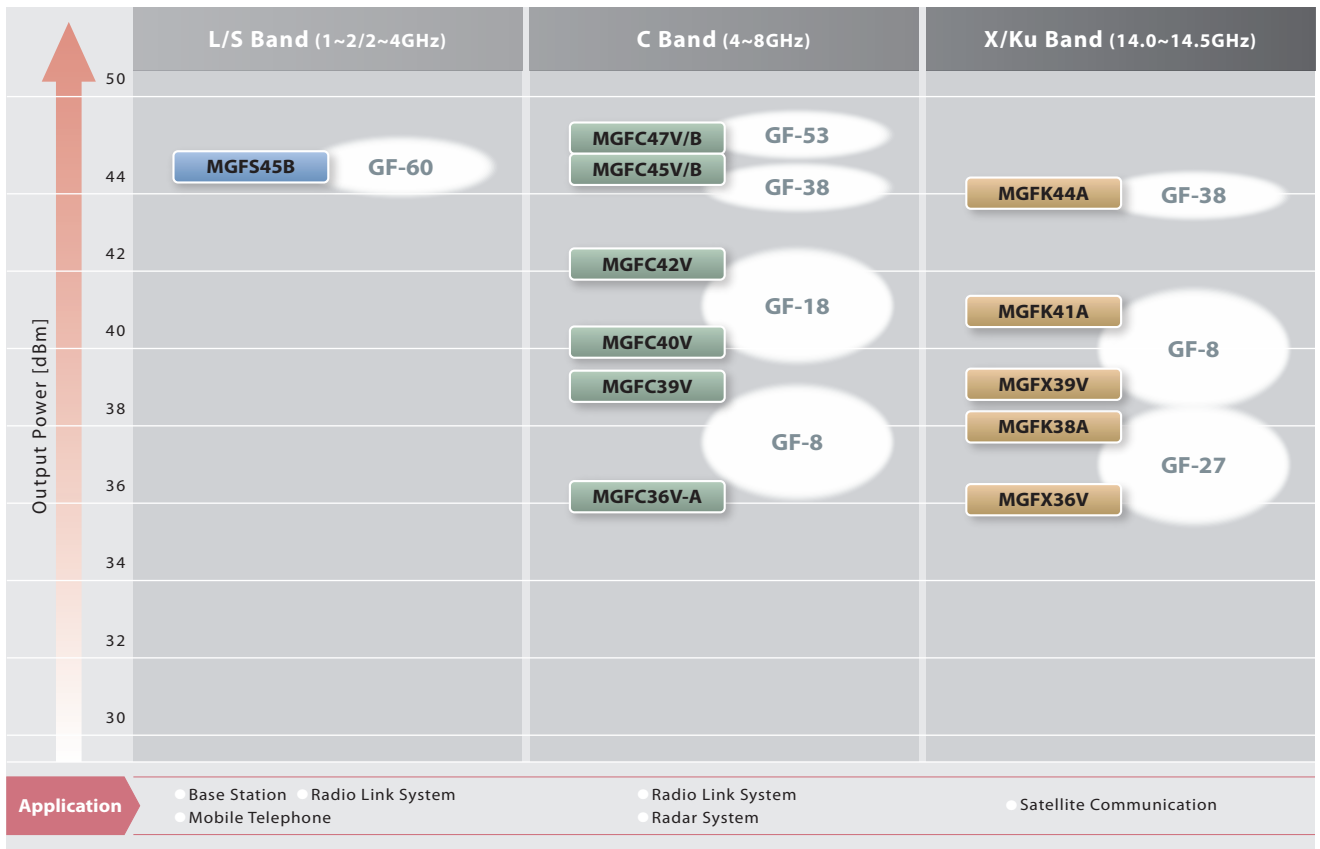
GaN FET SERIES FOR MICROWAVE-BAND HIGH POWER AMPLIFIERS (Discrete Devices)



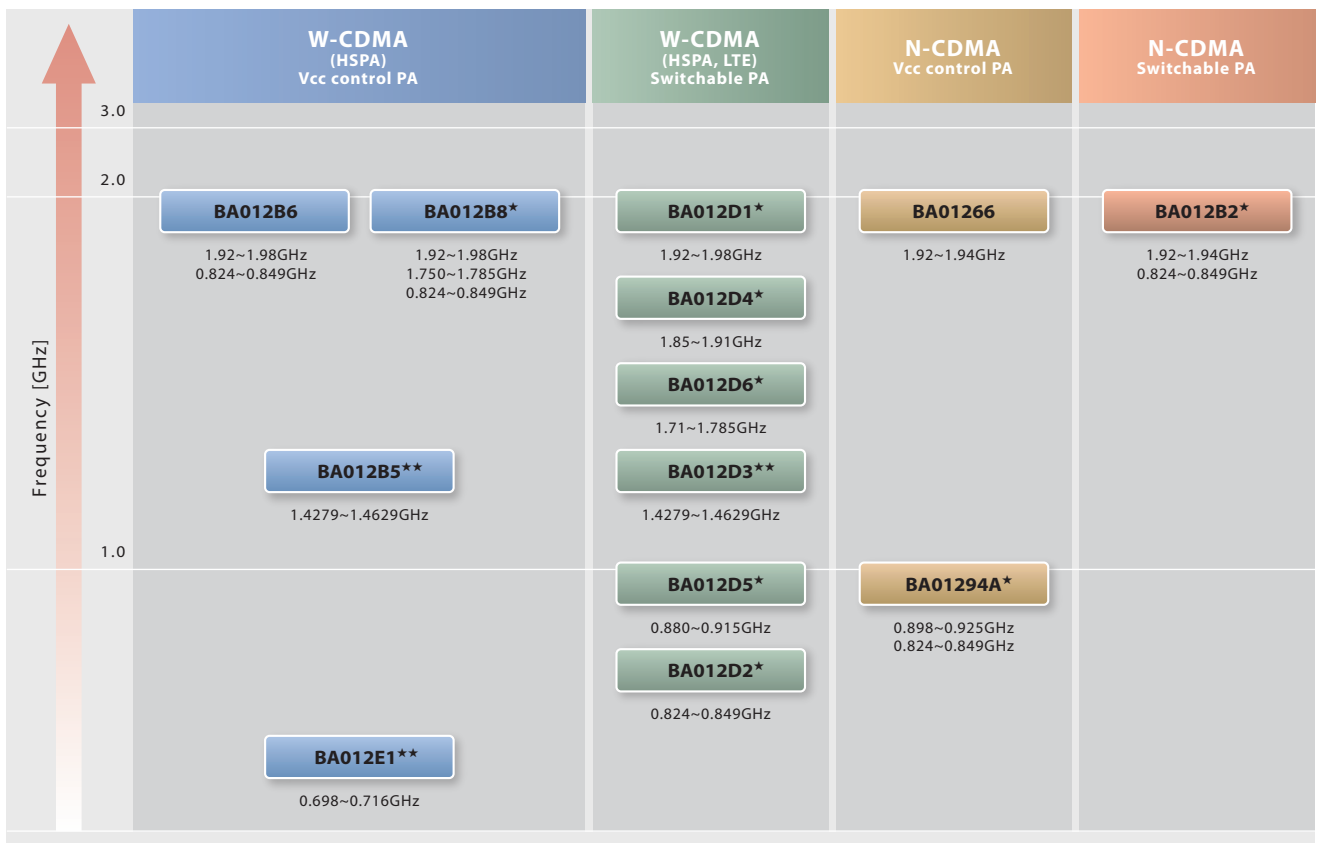
★★: Under Development

IMAP FOR SELECTION

INTERNALLY MATCHED GaAs FET SERIES FOR MICROWAVE-BAND HIGH POWER AMPLIFIERS

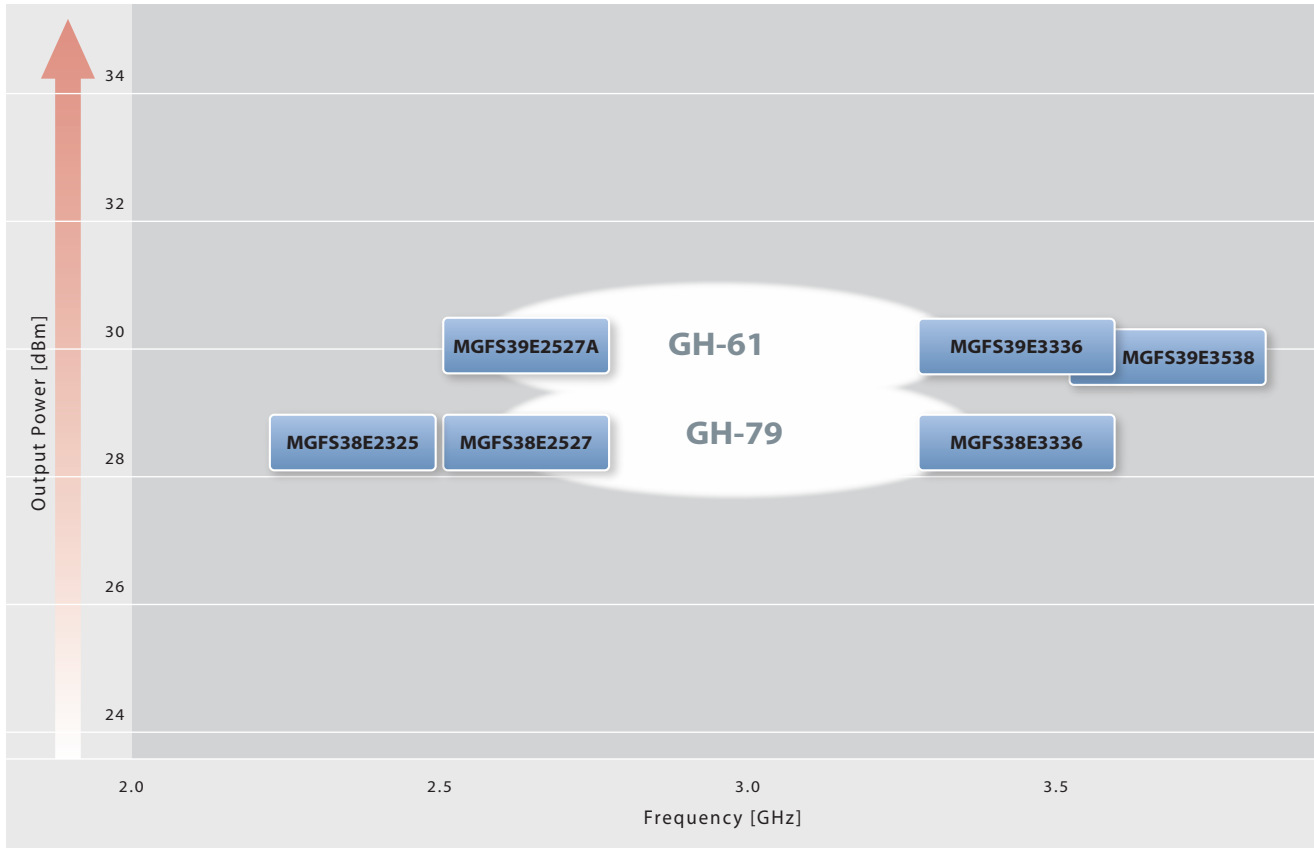


GaAs POWER AMPLIFIERS FOR MOBILE PHONE



*: New Product ***: Under Development

GaAs AMPLIFIERS FOR WiMAX / Wi-Fi



High Frequency Devices Naming System

GaAs FET (Discrete)

MGF 0951 P
A

A Plastic Mold : P
GaN : G

Internally Matched GaAs FET and GaAs Power Amplifier for WiMAX/Wi-Fi

MGF C 47 B 3436 B
A B C D E

A Freq. Band :
L, S, C, X, K, Ku

B Typical Output power in dBm
ex.36=36dBm=4W(typ.)

C Internally Matched : V, A, B
Multi Stage FET Amp : H
Multi Stage HBT Amp : E

D Freq. Band in GHz
ex.5964=5.9~6.4GHz

E Series Number

GaAs Power Amplifier

BA 01 2 D1
A B C D

A Device Structure : FA(FET), BA(Bipolar Transistor)

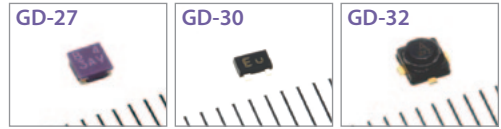
B Freq. Band in GHz

C Stage Number

D Series Number

PRODUCT LIST

GaAs FET SERIES FOR MICROWAVE-BAND LOW-NOISE AMPLIFIERS



| Type Number | Noise Figure [dB] | | Associated Gain [dB] | | Frequency [GHz] | Drain-Source Voltage [V] | Drain Current [mA] | Package Outline |
|-------------|-------------------|------|----------------------|------|-----------------|--------------------------|--------------------|-----------------|
| | Typ. | Max. | Min. | Typ. | | | | |
| MGF4941AL | 0.35 | 0.50 | 12.0 | 13.5 | 12 | 2 | 10 | GD-32 |
| MGF4953A | 0.40 | 0.50 | 12.0 | 13.0 | 12 | 2 | 10 | GD-27 |
| MGF4921AM | 0.35 | 0.55 | 11.5 | 13.0 | 4 | 2 | 15 | GD-30 |
| MGF4931AM | 0.60 | 0.80 | 10.0 | 11.5 | 12 | 2 | 7.5 | GD-30 |
| MGF4934BM | 0.50 | 0.80 | 11.5 | 12.5 | 12 | 2 | 10 | GD-30 |
| MGF4934CM | 0.50 | 0.75 | 11.5 | 13.0 | 12 | 2 | 10 | GD-30 |
| MGF4935AM | 0.45 | 0.65 | 11.0 | 12.0 | 12 | 2 | 10 | GD-30 |
| MGF4936AM* | 0.50 | 0.80 | 11.5 | 12.5 | 12 | 2 | 10 | GD-30 |
| MGF4953B | 0.55 | 0.80 | 9.0 | 10.5 | 20 | 2 | 10 | GD-27 |
| MGF4963BL* | 0.70 | 0.95 | 11.0 | 13.5 | 20 | 2 | 10 | GD-32 |

Ta=25°C * : New Product

GaAs FET SERIES FOR MICROWAVE-BAND HIGH POWER AMPLIFIERS (Discrete Devices)

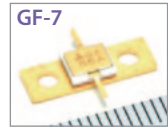


| Type Number | Output Power at 1dB Gain Compression [dBm] | | Output Power [dBm] | Linear Power Gain [dB] | 3rd Order IM Distortion [dBc] | | Power Added Efficiency [%] | Frequency [GHz] | Drain-Source Voltage [V] | Drain Current [A] | Thermal Resistance [°C/W] | | Package Outline |
|-------------|--|------|--------------------|------------------------|-------------------------------|------|----------------------------|-----------------|--------------------------|-------------------|---------------------------|------|-----------------|
| | Min. | Typ. | | | Min. | Typ. | | | | | Typ. | Max. | |
| MGF0805A* | - | - | 36.5 | 14.5 | - | - | 55 | 1.9 | 10 | 0.4 | 5 | 7 | GF-50 |
| MGF0904A | - | - | 28 | 14 | - | - | 40 | 1.65 | 8 | 0.2 | - | 40 | GF-7 |
| MGF0905A | - | - | 34 | 11 | - | - | 40 | 1.65 | 8 | 0.8 | - | 12.5 | GF-7 |
| MGF0906B^ | 35.5 | 37 | - | 11 | - | - | 40 | 2.3 | 10 | 1.2 | - | 6.5 | GF-21 |
| MGF0907B^ | 38.5 | 40 | - | 8 | - | - | 37 | 2.3 | 10 | 2.4 | - | 4 | GF-21 |
| MGF0909A | 37 | 38 | - | 10 | - | - | 45 | 2.3 | 10 | 1.3 | - | - | GF-7 |
| MGF0910A^ | 37 | 38 | - | 10 | - | - | 37 | 2.3 | 10 | 1.3 | - | 6 | GF-21 |
| MGF0911A^ | 40 | 41 | - | 10 | - | - | 40 | 2.3 | 10 | 2.6 | - | 4.5 | GF-21 |
| MGF0913A | - | - | 29.5 | 11 | - | - | 48 | 1.9 | 10 | 0.2 | 20 | 30 | GF-50 |
| MGF0915A | - | - | 35 | 13 | - | - | 50 | 1.9 | 10 | 0.8 | 5 | 8 | GF-50 |
| MGF0918A | - | - | 25 | 18 | - | - | 45 | 1.9 | 10 | 0.15 | 35 | 50 | GF-50 |
| MGF0920A | - | - | 30 | 16 | - | - | 45 | 1.9 | 10 | 0.4 | 13 | 18 | GF-50 |
| MGF0921A | - | - | 31 | 15 | - | - | 40 | 1.9 | 10 | 0.5 | 11 | 15 | GF-50 |
| MGF0951P | - | - | 31 | 11 | - | -42 | 50 | 2.15 | 10 | 0.2 | 20 | 25 | GF-55 |
| MGF0952P | - | - | 36.5 | 11 | - | -42 | 50 | 2.15 | 10 | 0.7 | 5 | 6 | GF-55 |
| MGF0953P | - | - | 28 | 18 | - | - | 40 | 2.15 | 10 | 0.15 | 14 | 20 | GF-55 |
| MGF1451A^ | 11 | 13 | - | 10.5 | - | - | - | 12 | 3 | 0.03 | - | - | GD-4 |
| MGF1951A | 11 | 13 | - | 7 | - | - | - | 12 | 3 | 0.03 | - | - | GD-27 |
| MGF1952A | 15 | 17 | - | 5 | - | - | - | 12 | 3 | 0.06 | - | - | GD-27 |
| MGF1953A | 18 | 20 | - | 4 | - | - | - | 12 | 4 | 0.1 | - | - | GD-27 |
| MGF1954A | 21 | 23 | - | 3 | - | - | - | 12 | 6 | 0.1 | - | - | GD-27 |
| MGF2407A^ | 23 | 24.5 | - | 7 | - | - | 30 | 14.5 | 10 | 0.075 | - | 100 | GF-17 |
| MGF2415A^ | 26 | 27.5 | - | 6.5 | - | - | 29 | 14.5 | 10 | 0.15 | - | 60 | GF-17 |
| MGF2430A^ | 29 | 30.5 | - | 5.5 | - | - | 27 | 14.5 | 10 | 0.3 | - | 30 | GF-17 |
| MGF2445A^ | 31 | 32 | - | 5.5 | - | - | 20 | 12 | 10 | 0.45 | - | 15 | GF-17 |
| MGF4851A | 12 | 14.5 | - | 9 | - | - | - | 12 | 2.5 | 0.025 | - | - | GD-27 |

Ta=25°C ▲: Industrial grade * : New Product

LINE UP
MAP FOR SELECTION
PRODUCT LIST
APPLICATION EXAMPLES

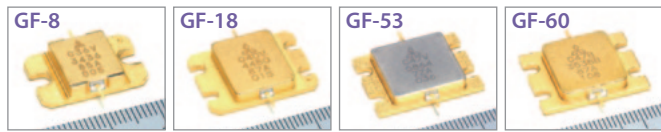
GaN FET SERIES FOR MICROWAVE-BAND HIGH POWER AMPLIFIERS (Discrete Devices)



| Type Number | Output Power at 1dB Gain Compression [dBm] | | Output Power [dBm] | Linear Power Gain [dB] | 3rd Order IM Distortion [dBc] | | Drain Efficiency [%] | Frequency [GHz] | Drain-Source Voltage [V] | Drain Current [A] | Thermal Resistance [°C/W] | | Package Outline |
|-------------|--|------|--------------------|------------------------|-------------------------------|------|----------------------|-----------------|--------------------------|-------------------|---------------------------|------|-----------------|
| | Min. | Typ. | | | Min. | Typ. | | | | | Typ. | Max. | |
| MGF0840G** | 39 | 40 | - | 14 | - | - | 60 | 2.6 | 47 | 0.09 | 5 | - | GF-7 |
| MGF0843G** | 42 | 43 | - | 13 | - | - | 60 | 2.6 | 47 | 0.18 | 3 | - | GF-7 |
| MGF0846G** | 45 | 46 | - | 12 | - | - | 60 | 2.6 | 47 | 0.35 | 2.2 | - | GF-7 |

Ta=25°C ** : Under Development

INTERNALLY MATCHED GaAs FET SERIES FOR WiMAX BASE STATION



| Type Number | Output Power at 1dB Gain Compression [dBm] | | Output Power [dBm] | Linear Power Gain [dB] | 3rd Order IM Distortion [dBc] | | Power Added Efficiency [%] | Frequency [GHz] | Drain-Source Voltage [V] | Drain Current [A] | Thermal Resistance [°C/W] | | Package Outline |
|--------------|--|------|--------------------|------------------------|-------------------------------|------|----------------------------|-----------------|--------------------------|-------------------|---------------------------|------|-----------------|
| | Min. | Typ. | | | Min. | Typ. | | | | | Typ. | Max. | |
| MGFC36V3436 | 35 | 37 | - | 11 | -42 | -45 | 32 | 3.4~3.6 | 10 | 1.2 | 5 | 6 | GF-8 |
| MGFC39V3436 | 38 | 39.5 | - | 10 | -42 | -45 | 32 | 3.4~3.6 | 10 | 2.4 | 3 | 3.5 | GF-8 |
| MGFC42V3436 | 41.5 | 42.5 | - | 12 | -42 | -45 | 37 | 3.4~3.6 | 10 | 4.5 | - | 1.9 | GF-18 |
| MGFC45B3436B | - | - | 45 | 11 | - | -45 | - | 3.4~3.6 | 12 | 0.8 | - | 1.9 | GF-60 |
| MGFS45B2527B | - | - | 45 | 12 | - | -45 | - | 2.5~2.7 | 12 | 0.9 | - | 1.9 | GF-60 |
| MGFC47B3436B | - | - | 47 | 10.5 | - | -45 | - | 3.4~3.6 | 12 | 1.5 | - | 1.2 | GF-60 |
| MGFC47B3538B | - | - | 47 | 10.5 | - | -45 | - | 3.5~3.8 | 12 | 1.5 | - | 1.2 | GF-60 |
| MGFS45V2123A | 44 | 45 | - | 12 | | | 45 | 2.1~2.3 | 10 | 6.5 | 1.25 | 1.5 | GF-53 |
| MGFS45V2325A | 44 | 45 | - | 12 | | | 45 | 2.3~2.5 | 10 | 6.5 | 1.25 | 1.5 | GF-53 |
| MGFS45V2527A | 44 | 45 | - | 12 | | | 45 | 2.5~2.7 | 10 | 6.5 | 1.25 | 1.5 | GF-53 |
| MGFS45V2735 | 44 | 45 | - | 12 | | | 45 | 2.5~2.7 | 10 | 6.5 | 0.8 | 1 | GF-53 |

Ta=25°C

PRODUCT LIST

INTERNALLY MATCHED GaAs FET SERIES FOR C BAND HIGH POWER AMPLIFIERS



| Type Number | Output Power at 1dB Gain Compression [dBm] | | Linear Power Gain [dB] | 3rd Order IM Distortion [dBc] | | Power Added Efficiency [%] | Frequency [GHz] | Drain-Source Voltage [V] | Drain Current [A] | Thermal Resistance [°C/W] | | Package Outline |
|--------------|--|------|------------------------|-------------------------------|------|----------------------------|-----------------|--------------------------|-------------------|---------------------------|------|-----------------|
| | Min. | Typ. | | Min. | Typ. | | | | | Typ. | Max. | |
| MGFC36V4450A | 35 | 37 | 9 | -42 | -45 | 32 | 4.4~5.0 | 10 | 1.2 | 5 | 6 | GF-8 |
| MGFC36V5258 | 35 | 36 | 9 | -42 | -45 | 33 | 5.2~5.8 | 10 | 1.2 | - | 6 | GF-8 |
| MGFC36V5964A | 35 | 37 | 9 | -42 | -45 | 30 | 5.9~6.4 | 10 | 1.2 | 5 | 6 | GF-8 |
| MGFC36V6472A | 35 | 37 | 8 | -42 | -45 | 30 | 6.4~7.2 | 10 | 1.2 | 5 | 6 | GF-8 |
| MGFC40V4450 | 39.5 | 40.5 | 9 | -42 | -45 | 32 | 4.4~5.0 | 10 | 2.4 | - | 3.5 | GF-18 |
| MGFC40V5258 | 39.5 | 40.5 | 8 | -42 | -45 | 32 | 5.2~5.8 | 10 | 2.4 | - | 3.5 | GF-18 |
| MGFC40V5964 | 39.5 | 40.5 | 8 | -42 | -45 | 30 | 5.9~6.4 | 10 | 2.4 | 3 | 3.5 | GF-18 |
| MGFC40V6472 | 39.5 | 40.5 | 7 | -42 | -45 | 32 | 6.4~7.2 | 10 | 2.4 | - | 3.5 | GF-18 |
| MGFC40V7177 | 39 | 40 | 8 | -45 | -42 | 30 | 7.1~7.7 | 10 | 2.4 | - | 2.8 | GF-38 |
| MGFC40V7785 | 39 | 40 | 7 | -45 | -42 | 25 | 7.1~7.7 | 10 | 2.4 | - | 2.8 | GF-38 |
| MGFC42V4450 | 41.5 | 42.5 | 9 | -42 | -45 | 32 | 4.4~5.0 | 10 | 4.5 | - | 1.9 | GF-18 |
| MGFC42V5258 | 41.5 | 42.5 | 8 | - | - | 31 | 5.2~5.8 | 10 | 4.5 | - | 1.9 | GF-18 |
| MGFC42V5964A | 41.5 | 42.5 | 8 | -42 | -45 | 33 | 5.9~6.4 | 10 | 4.5 | - | 1.6 | GF-38 |
| MGFC42V6472 | 41.5 | 42.5 | 8 | -45 | -42 | 31 | 6.4~7.2 | 10 | 4.5 | - | 1.6 | GF-38 |
| MGFC45V4450A | 44 | 45 | 9 | - | -45 | 34 | 4.4~5.0 | 10 | 8 | 0.8 | 1 | GF-38 |
| MGFC45V5964A | 44 | 45 | 8 | -42 | -45 | 33 | 5.9~6.4 | 10 | 8 | 0.8 | 1 | GF-38 |
| MGFC47A4450 | 46 | 47 | 9.5 | - | - | 40 | 4.4~5.0 | 10 | 9.8 | 0.8 | 0.9 | GF-53 |
| MGFC47V5864 | 46 | 47 | 8.5 | - | - | 35 | 5.8~6.4 | 10 | 9.8 | 0.8 | 0.9 | GF-53 |
| MGFC36V7177A | 35 | 36 | 9 | -42 | - | 30 | 7.1~7.7 | 10 | 1.2 | 5 | 6 | GF-8 |
| MGFC39V3742A | 38 | 39 | 10 | -42 | - | 31 | 3.7~4.2 | 10 | 2.4 | - | 3.5 | GF-8 |
| MGFC39V4450A | 38 | 39 | 9 | -42 | - | 31 | 4.4~5.0 | 10 | 2.4 | - | 3.5 | GF-8 |
| MGFC39V5258 | 38 | 39 | 9 | -42 | - | 31 | 5.2~5.8 | 10 | 2.4 | - | 3.5 | GF-8 |
| MGFC39V5964A | 38 | 39 | 9 | -42 | - | 31 | 5.9~6.4 | 10 | 2.4 | - | 3.5 | GF-8 |
| MGFC39V6472A | 38 | 39 | 8 | -42 | - | 31 | 6.4~7.2 | 10 | 2.4 | - | 3.5 | GF-8 |
| MGFC39V7177A | 38 | 39 | 8 | -42 | - | 28 | 7.1~7.7 | 10 | 2.4 | - | 3.5 | GF-8 |
| MGFC39V7785A | 38 | 39 | 7 | -42 | - | 27 | 7.7~8.5 | 10 | 2.4 | - | 3.5 | GF-8 |
| MGFC40V3742 | 39.5 | 40.5 | 11 | -42 | - | 32 | 3.7~4.2 | 10 | 2.4 | - | 3.5 | GF-18 |
| MGFC42V3742 | 41.5 | 42.5 | 10 | -42 | - | 34 | 3.7~4.2 | 10 | 4.5 | - | 1.6 | GF-38 |
| MGFC42V5964A | 41.5 | 42.5 | 9 | -42 | - | 33 | 5.9~6.4 | 10 | 4.5 | - | 1.6 | GF-38 |
| MGFC42V6472A | 41.5 | 42.5 | 8 | -42 | - | 31 | 5.9~6.4 | 10 | 4.5 | - | 1.6 | GF-38 |
| MGFC42V7785A | 41 | - | 7 | -42 | - | 28 | 6.4~7.2 | 10 | 4.5 | - | 1.6 | GF-38 |
| MGFC44V5964 | 43 | 44 | 9 | -42 | - | 33 | 5.9~6.4 | 10 | 6.5 | - | 1.6 | GF-38 |
| MGFC44V6472 | 43 | 44 | 8 | -42 | - | 31 | 6.4~7.2 | 10 | 6.5 | - | 1.6 | GF-38 |
| MGFC45V6472A | 44.5 | 45 | 8 | -42 | - | 33 | 6.4~7.2 | 10 | 8 | - | 1 | GF-38 |

Ta=25°C

INTERNALLY MATCHED GaAs FET SERIES FOR X/Ku BAND HIGH POWER AMPLIFIERS



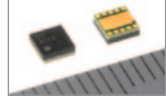
| Type Number | Output Power at 1dB Gain Compression [dBm] | | Linear Power Gain [dB] | 3rd Order IM Distortion [dBc] | | Power Added Efficiency [%] | Frequency [GHz] | Drain-Source Voltage [V] | Drain Current [A] | Thermal Resistance [°C/W] | | Package Outline |
|-------------|--|------|------------------------|-------------------------------|------|----------------------------|-----------------|--------------------------|-------------------|---------------------------|------|-----------------|
| | Min. | Typ. | | Min. | Typ. | | | | | Typ. | Max. | |
| MGFK38A3745 | 37 | 38 | 7 | - | - | 30 | 13.75~14.5 | 10 | 1.5 | 3.6 | 4 | GF-27 |
| MGFK41A4045 | 40 | 41 | 6 | -35 | - | 25 | 14.0~14.5 | 10 | 3 | 1.8 | 2.2 | GF-8 |
| MGFK44A4045 | 43 | 44 | 5 | -35 | - | 17 | 14.0~14.5 | 10 | 6 | 1.2 | 1.5 | GF-38 |
| MGFX36V0717 | 34.5 | 36 | 8 | -42 | - | 32 | 10.7~11.7 | 10 | 1.2 | - | 5.5 | GF-27 |
| MGFX39V0717 | 37.5 | 39 | 7 | -42 | - | 26 | 10.7~11.7 | 10 | 2.4 | - | 3.5 | GF-8 |

Ta=25°C

LINE UP
MAP FOR SELECTION
PRODUCT LIST
APPLICATION EXAMPLES

GaAs HYBRID IC FOR MOBILE PHONE

BA012D1

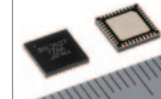


| Type Number | Application | Frequency [MHz] | Po [dBm] | Vcc [V] | Vref [V] | PAE [%] | Pin [dBm] | Package Size |
|-------------|-------------|-----------------------------------|--------------|---------|----------|----------------|---------------------|------------------------|
| BA01266 | N-CDMA | 1920~1940 | 27.5 | 3.5 | 2.85 | 42 | 1.0 | 3x3x1.2mm ³ |
| BA01294A* | N-CDMA | 824~849 898~925 | 28.0 | 3.4 | 2.85 | 37 | 0.0 | 4x4x1mm ³ |
| BA012B2* | N-CDMA | 824~849 1920~1940 | 28.0 27.5 | 3.4 | - | 37 36 | 1.0 1.0 | 3x5x1mm ³ |
| BA01261 | HSDPA | 824~849 | 26.5 | 3.5 | 2.9 | 39 | -1.0 | 3x3x1.2mm ³ |
| BA01262 | HSDPA | 1920~1980 | 26.5 | 3.5 | 2.9 | 42 | -1.0 | 3x3x1.2mm ³ |
| BA01263 | HSDPA | 1750~1785 | 26.5 | 3.5 | 2.9 | 43 | -0.5 | 3x3x1.2mm ³ |
| BA012B5** | HSPA/LTE | 1427.9~1462.9 | 26.5 | 3.5 | 2.9 | 40 | -1.5 | 3x3x1mm ³ |
| BA012B6 | HSPA | 824~849 1920~1980 | 26.5 | 3.5 | 2.9 | 40 43 | -1.5 0.8 | 3x4.5x1mm ³ |
| BA012B8* | HSPA | 824~849 1750~1785 1920~1980 | 26.5 | 3.5 | 2.9 | 38 42 41 | -0.5 -1.0 0.0 | 3x4.5x1mm ³ |
| BA012E1** | LTE | 698~716 | 26.5 | 3.5 | 2.9 | 40 | -1.5 | 3x3x1mm ³ |
| BA012D1* | HSPA/LTE | 1920~1980 | 28.25 | 3.4 | - | 40 | 1.25 | 3x3x1mm ³ |
| BA012D2* | HSPA/LTE | 824~849 | 28.25 | 3.4 | - | 40 | -0.75 | 3x3x1mm ³ |
| BA012D3** | HSPA/LTE | 1427.9~1462.9 | 28.5 | 3.4 | - | 40 | 0.5 | 3x3x1mm ³ |
| BA012D4* | HSPA/LTE | 1850~1910 | 28.6 | 3.4 | - | 40 | 1.1 | 3x3x1mm ³ |
| BA012D5* | HSPA/LTE | 880~915 | 28.5 | 3.4 | - | 40 | 1.5 | 3x3x1mm ³ |
| BA012D6* | HSPA/LTE | 1710~1785 | 28.4 | 3.4 | - | 40 | 1.4 | 3x3x1mm ³ |

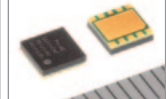
*: New Product ***: Under Development

GaAs AMPLIFIER FOR WiMAX / Wi-Fi

GH-61



GH-79



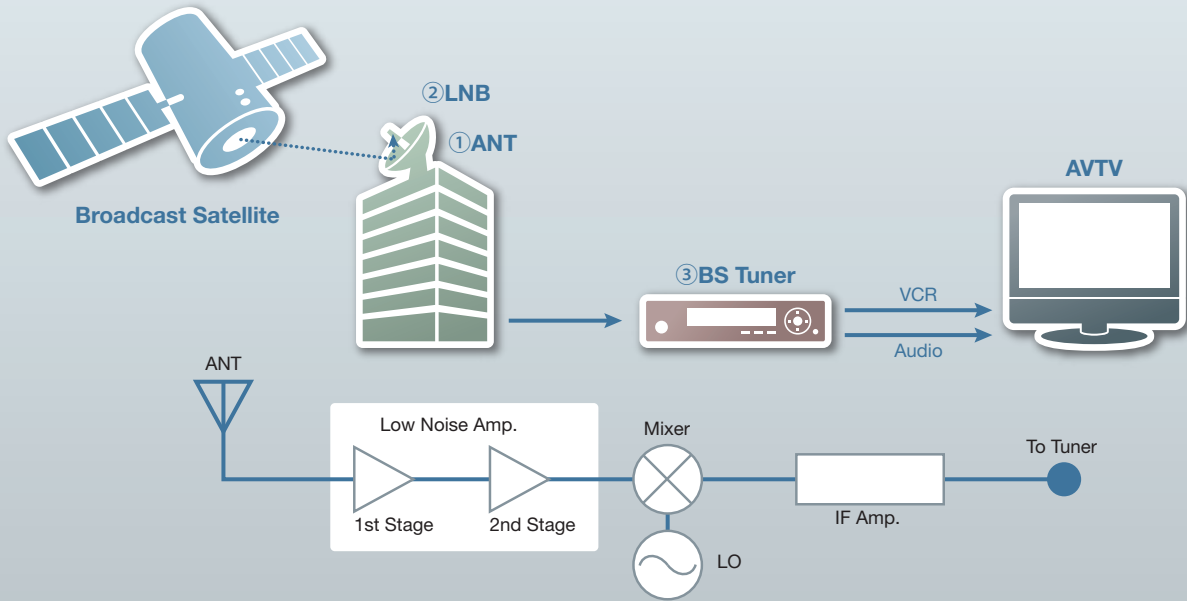
| Type Number | Frequency [MHz] | Pout & EVM | Gain [dB] | Vcc [V] | Vref [V] | PAE [%] | Package Outline |
|--------------|-----------------|--------------|-----------|---------|----------|---------|-----------------|
| MGFS39E2527A | 2.5~2.7 | 30dBm@2.5% | 43 | 6 | 2.85 | 14 | GH-61 |
| MGFS39E3336 | 3.3~3.6 | 30dBm@2.5% | 43 | 6 | 2.85 | 14 | GH-61 |
| MGFS39E3538* | 3.5~3.8 | 30dBm@2.5% | 39 | 6 | 2.85 | 14 | GH-61 |
| MGFS38E2325* | 2.3~2.5 | 28.5dBm@2.5% | 36 | 5 | 2.85 | 15 | GH-79 |
| MGFS38E2527* | 2.5~2.7 | 28.5dBm@2.5% | 36 | 5 | 2.85 | 15 | GH-79 |
| MGFS38E3336* | 3.3~3.6 | 28.5dBm@2.5% | 35 | 5 | 2.85 | 15 | GH-79 |

*: New Product

All Products Here Are RoHS Compliant

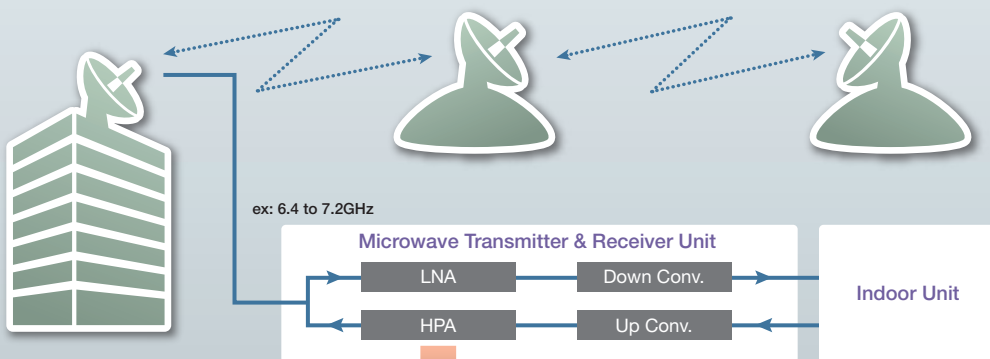
APPLICATION EXAMPLES

Lineup for 12GHz -Band LNB



| Performance of LNB | 1st Stage | 2nd Stage | Mixer |
|--------------------|------------------|------------------|------------------|
| Low Noise Model | MGF4941AL | MGF4941AL | MGF4934CM |
| Standard Model | MGF4935AM | MGF4934CM | MGF4934CM |

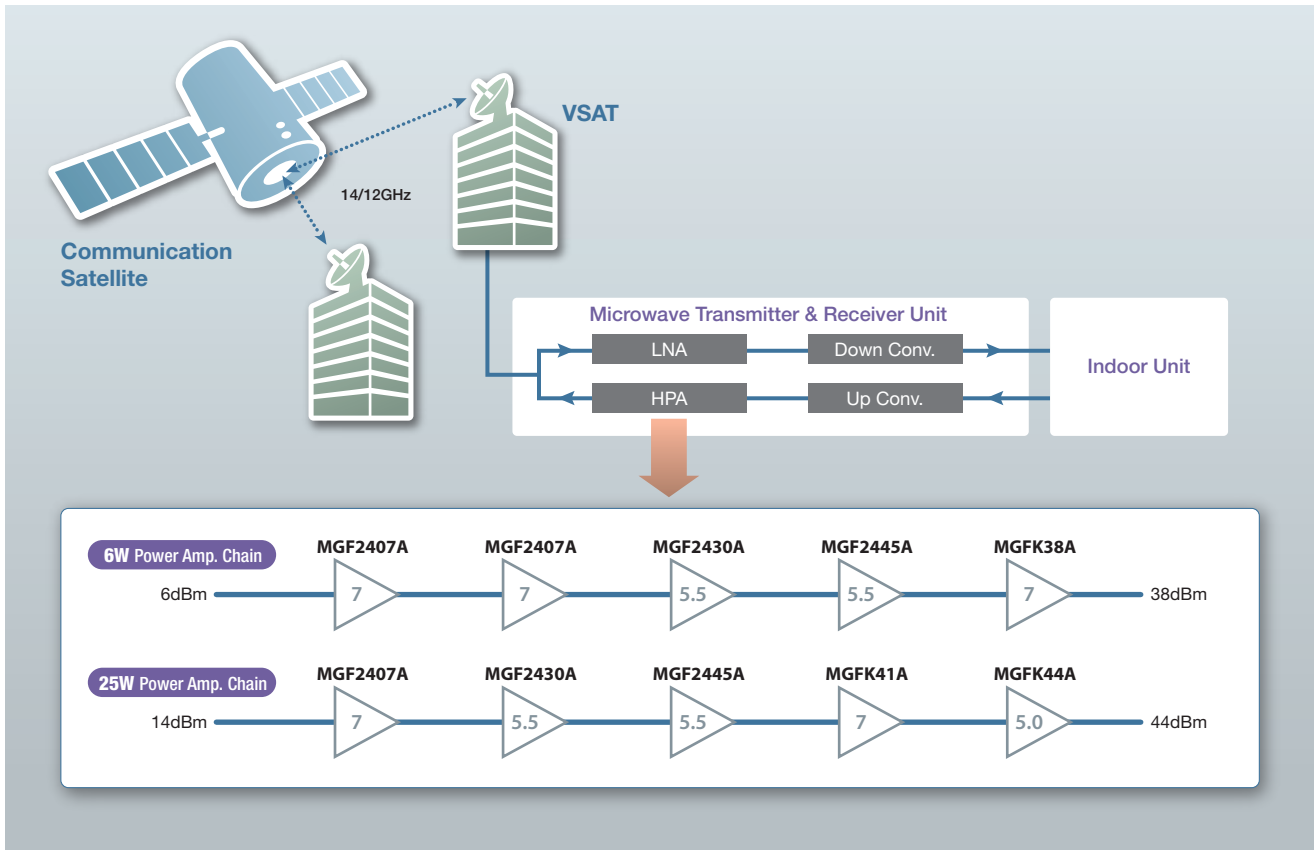
Lineup for Microwave Links



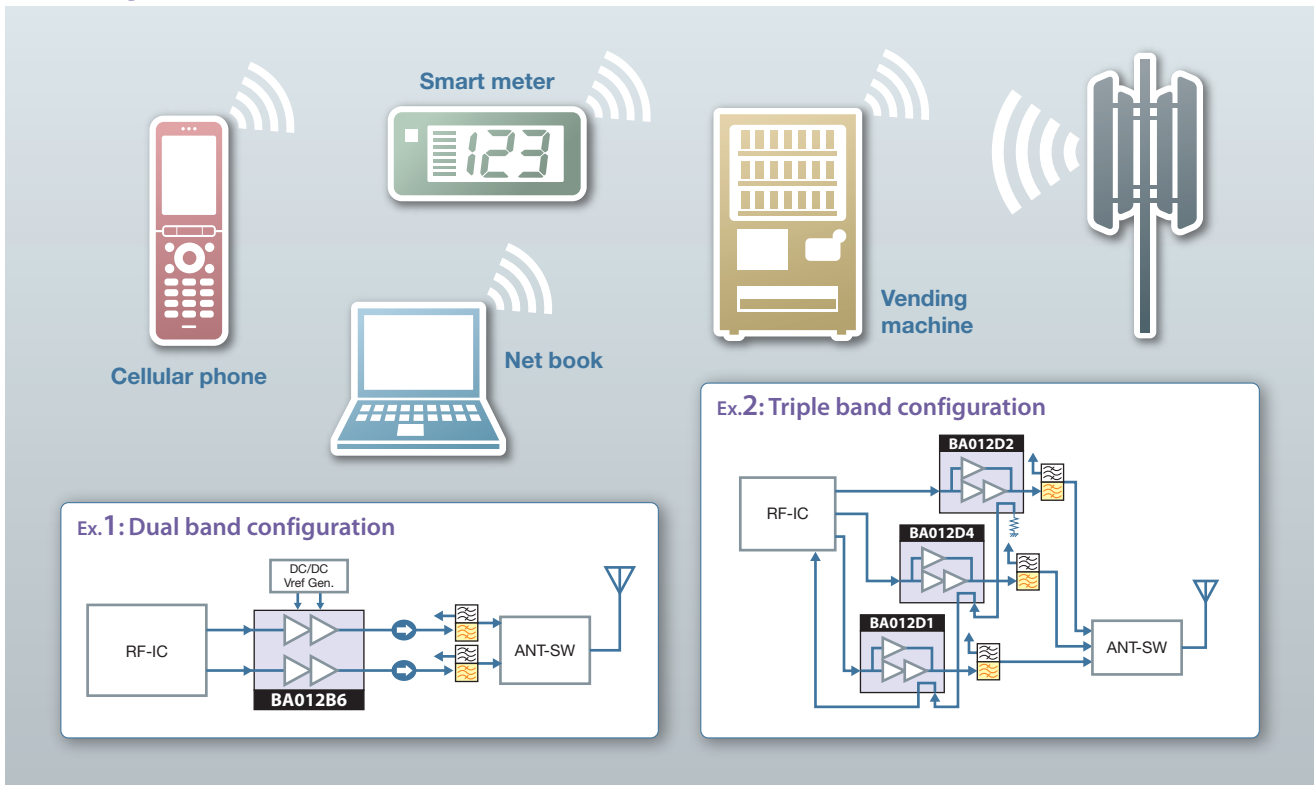
| | | | | | | |
|-----------------------------|-----------------|-----------------|-----------------|----------------|----------------|-------|
| 30W Power Amp. Chain | MGF1951A | MGF2407A | MGF2445A | MGFC39V | MGFC45V | 45dBm |
| | 13 | 11 | 9 | 7 | 6.5 | |
| 50W Power Amp. Chain | MGF1951A | MGF2407A | MGF2445A | MGFC42V | MGFC47A | 47dBm |
| | 13 | 11 | 9 | 8 | 7 | |

LINE UP
MAP FOR SELECTION
PRODUCT LIST
APPLICATION EXAMPLES

Lineup for Satellite Communication



GaAs Hybrid IC for Mobile Phone Tx block configuration for mobile phone



Please see here in detail.

<http://global.mitsubishielectric.com/>

Keep safety first in your circuit designs!

- Mitsubishi Electric Corporation puts the maximum effort into making semiconductor products better and more reliable, but there is always the possibility that trouble may occur with them. Trouble with semiconductors may lead to personal injury, fire or property damage. Remember to give due consideration to safety when making your circuit designs, with appropriate measures such as (i) placement of substitutive, auxiliary circuits, (ii) use of non-flammable material or (iii) prevention against any malfunction or mishap.

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 **MITSUBISHI ELECTRIC CORPORATION**
HEAD OFFICE: TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN