



电子元器件系列 (中国.厦门)

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### Sirenza

| Device   | Form-fit WJ Functional Cross | Functional WJ Cross (diff. Pkg) |
|----------|------------------------------|---------------------------------|
| NGA-186  | AG602-86                     |                                 |
| NGA-286  | AG602-86                     |                                 |
| NGA-386  | AG503-86                     |                                 |
| NGA-486  | AG602-86                     |                                 |
| NGA-489  | AM1                          |                                 |
| NGA-586  | AG604-86                     |                                 |
| NGA-589  | FH1                          |                                 |
| NGA-686  | AG602-86                     |                                 |
| NGA-689  | AM1                          |                                 |
| SGA-0163 | AG202-63                     |                                 |
| SGA-0363 | AG203-63                     |                                 |
| SGA-1163 | AG201-63                     |                                 |
| SGA-1263 | AG202-63                     |                                 |
| SGA-2163 | AG201-63                     |                                 |
| SGA-2186 | AG201-86                     |                                 |
| SGA-2263 | AG202-63                     |                                 |
| SGA-2286 | AG202-86                     |                                 |
| SGA-2363 | AG203-63                     |                                 |
| SGA-2386 | AG203-86                     |                                 |
| SGA-2463 | AG203-63                     |                                 |
| SGA-2486 | AG203-86                     |                                 |
| SGA-3263 | AG302-63                     |                                 |
| SGA-3286 | AG302-86                     |                                 |
| SGA-3363 | AG303-63                     |                                 |
| SGA-3386 | AG303-86                     |                                 |
| SGA-3463 | AG303-63                     |                                 |
| SGA-3486 | AG303-86                     |                                 |
| SGA-3563 | AG303-63                     |                                 |
| SGA-3586 | AG303-86                     |                                 |
| SGA-4163 | AG302-63                     |                                 |
| SGA-4186 | AG302-86                     |                                 |
| SGA-4263 | AG302-63                     | AG402-86                        |
| SGA-4286 | AG503-86                     |                                 |
| SGA-4363 | AG303-63                     | AG403-86                        |
| SGA-4386 | AG503-86                     |                                 |
| SGA-4463 | AG303-63                     | AG403-86                        |
| SGA-4486 | AG503-86                     |                                 |
| SGA-4563 | AG303-63                     | AG403-86                        |
| SGA-4586 | AG604-86                     |                                 |
| SGA-5263 | AG302-63                     | AG402-86                        |
| SGA-5286 | AG602-86                     |                                 |
| SGA-5289 | AG602-89                     |                                 |
| SGA-5386 | AG402-86                     |                                 |
| SGA-5389 | AG402-89                     |                                 |
| SGA-5486 | AG604-86                     |                                 |
| SGA-5489 | AG403-89                     |                                 |
| SGA-5586 | AG602-86                     |                                 |
| SGA-5589 | AG602-89                     |                                 |
| SGA-6286 | AG602-86                     |                                 |
| SGA-6289 | AG602-89                     |                                 |
| SGA-6386 | AG602-86                     |                                 |
| SGA-6389 | AG602-89                     |                                 |
| SGA-6486 | AG604-86                     |                                 |
| SGA-6489 | AG604-89                     |                                 |
| SGA-6586 | AG604-86                     |                                 |
| SGA-6589 | AG604-89                     |                                 |
| SGA-7489 | AG604-89                     |                                 |

### Hittite

| Device | Form-fit WJ Functional Cross | Functional WJ Cross (diff. Pkg) |
|--------|------------------------------|---------------------------------|
| HMC313 | AG303-63                     |                                 |
| HMC314 |                              | AG503-89                        |
| HMC315 |                              | AG603-89                        |
| HMC323 |                              | AG402-89                        |

### Mini-Circuits

| Device   | Form-fit WJ Functional Cross | Functional WJ Cross (diff. Pkg) |
|----------|------------------------------|---------------------------------|
| ERA-1    | AG302-86                     |                                 |
| ERA-1SM  | AG302-86                     |                                 |
| ERA-2    | AG302-86                     |                                 |
| ERA-21SM | AG302-86                     |                                 |
| ERA-2SM  | AG302-86                     |                                 |
| ERA-3    | AG303-86                     |                                 |
| ERA-33SM | AG503-86                     |                                 |
| ERA-3SM  | AG303-86                     |                                 |
| ERA-4    | AG403-86                     |                                 |
| ERA-4SM  | AG602-86                     |                                 |
| ERA-5    | AG602-86                     |                                 |
| ERA-50SM | AG403-86                     |                                 |
| ERA-51SM | AG603-86                     |                                 |
| ERA-5SM  | AG403-86                     |                                 |
| ERA-6    | AG602-86                     |                                 |
| ERA-6SM  | AG602-86                     |                                 |
| GALI-1   | AG402-89                     | AG302-86                        |
| GALI-19  | AG503-89                     | AG302-86                        |
| GALI-2   | AG402-89                     | AG302-86                        |
| GALI-21  | AG402-89                     | AG302-86                        |
| GALI-29  | AG503-89                     | AG302-86                        |
| GALI-3   | AG403-89                     | AG303-86                        |
| GALI-33  | AG503-89                     |                                 |
| GALI-39  | AG403-89                     | AG303-86                        |
| GALI-4   | AG602-89                     |                                 |
| GALI-49  | AG602-89                     |                                 |
| GALI-4F  | AG402-89                     |                                 |
| GALI-5   | AG604-89                     |                                 |
| GALI-51  | AG603-89                     |                                 |
| GALI-51F | AG403-89                     |                                 |
| GALI-52  | AG403-89                     |                                 |
| GALI-55  | AG403-89                     |                                 |
| GALI-59  | AG604-89                     |                                 |
| GALI-5F  | AG403-89                     |                                 |
| GALI-6   | AG602-89                     |                                 |
| GALI-6F  | AG602-89                     |                                 |
| GALI-S66 | AG503-89                     | AG203-86                        |
| LEE-19   |                              | AG302-86                        |
| LEE-29   |                              | AG302-86                        |
| LEE-39   |                              | AG303-86                        |
| LEE-49   |                              | AG402-89                        |
| LEE-59   |                              | AG403-89                        |
| MAR-1SM  | AG202-86                     |                                 |
| MAR-2SM  | AG201-86                     |                                 |
| MAR-3SM  | AG302-86                     |                                 |
| MAR-4SM  | AG302-86                     |                                 |
| MAR-6SM  | AG202-86                     |                                 |
| MAR-7SM  | AG202-86                     |                                 |
| MAR-8SM  | AG303-86                     |                                 |
| MAV-11A  |                              | AG602-89                        |
| MAV-11SM | AG402-86                     |                                 |
| MNA-2    |                              | AG303-86                        |
| MNA-3    |                              | AG203-86                        |
| MNA-4    |                              | AG503-89                        |
| MNA-5    |                              | AG203-86                        |
| MNA-6    |                              | AG604-89                        |
| MNA-7    |                              | AG503-89                        |
| RAM-1    | AG202-86                     |                                 |
| RAM-2    | AG201-86                     |                                 |
| RAM-3    | AG302-86                     |                                 |
| RAM-4    | AG302-86                     |                                 |
| RAM-6    | AG202-86                     |                                 |
| RAM-7    | AG202-86                     |                                 |
| RAM-8    | AG303-86                     |                                 |
| VAM-3    |                              | AG302-86                        |
| VAM-6    |                              | AG202-86                        |
| VAM-7    |                              | AG202-86                        |
| VAM-77   |                              | AG202-86                        |
| VAM-93   |                              | AG303-86                        |
| VNA-25   |                              | AM1                             |

### EiC

| Device   | Form-fit WJ Functional Cross | Functional WJ Cross (diff. Pkg) |
|----------|------------------------------|---------------------------------|
| EC-1019B | AG604-89                     |                                 |
| EC-1019C | AG604-86                     |                                 |
| EC-1078B | AM1                          |                                 |
| EC-1078C | AG604-86                     |                                 |
| EC-1089B | AH1                          |                                 |
| EC-1119B | AM1                          |                                 |
| EC-1119C | AG603-86                     | AM1                             |
| ECG001B  | AG403-89                     |                                 |
| ECG001C  | AG303-86                     |                                 |
| ECG001F  | AG303-63                     |                                 |
| ECG002B  | AG403-89                     |                                 |
| ECG002C  | AG503-86                     |                                 |
| ECG002F  | AG303-63                     | AG503-86                        |
| ECG004B  | AG503-89                     |                                 |
| ECG004C  | AG503-86                     |                                 |
| ECG004F  | AG302-63                     |                                 |
| ECG005B  | AG604-89                     |                                 |
| ECG005C  | AG604-86                     |                                 |
| ECG006B  | AG402-89                     |                                 |
| ECG006C  | AG402-86                     |                                 |
| ECG006F  | AG302-63                     | AG503-86                        |
| ECG040B  | AG603-89                     |                                 |
| ECG040C  | AG603-86                     |                                 |
| ECG050B  | AG604-89                     |                                 |
| ECG050C  | AG604-86                     |                                 |
| ECG055B  | AG604-89                     |                                 |
| ECG055C  | AG604-86                     |                                 |

### RFMD

| Device  | Form-fit WJ Functional Cross | Functional WJ Cross (diff. Pkg) |
|---------|------------------------------|---------------------------------|
| NBB-300 | AG402-86                     |                                 |
| NBB-302 |                              | AG302-63                        |
| NBB-310 | AG302-86                     |                                 |
| NBB-312 |                              | AG302-63                        |
| NBB-400 | AG503-86                     |                                 |
| NBB-402 |                              | AG303-63                        |
| NBB-500 | AG403-86                     |                                 |
| NBB-502 | AG303-86                     |                                 |
| NLB-300 | AG402-86                     |                                 |
| NLB-310 | AG402-86                     |                                 |
| NLB-400 | AG402-86                     |                                 |
| RF2043  | AG602-86                     |                                 |
| RF2044  | AG604-86                     |                                 |
| RF2045  | AG602-86                     |                                 |
| RF2046  | AG303-86                     |                                 |
| RF2047  | AG302-86                     |                                 |
| RF2048  | AG302-86                     |                                 |
| RF2127  |                              | AG604-89                        |
| RF2128P |                              | AG303-63                        |
| RF2314  |                              | AG202-63                        |
| RF2324  |                              | AG403-89                        |
| RF2325  |                              | AG202-63                        |
| RF2333  |                              | AG602-89                        |
| RF2334  |                              | AG604-89                        |
| RF2335  |                              | AG602-89                        |
| RF2336  |                              | AG303-63                        |
| RF2337  |                              | AG302-63                        |
| RF2338  |                              | AG302-63                        |
| RF2361  |                              | AG403-89                        |
| RF2362  |                              | AG303-63                        |
| RF2367  |                              | AG303-63                        |
| RF2442  |                              | AG303-63                        |

### Agilent

| Device    | Form-fit WJ Functional Cross | Functional WJ Cross (diff. Pkg) |
|-----------|------------------------------|---------------------------------|
| INA52063  |                              | AG203-86                        |
| MGA-52543 |                              | AG603-89                        |
| MGA-81563 | AG302-63                     | AM1                             |
| MGA-82563 | AG302-63                     | AM1                             |
| MGA-83563 |                              | AG403-86                        |

### Infineon

| Device     | Form-fit WJ Functional Cross | Functional WJ Cross (diff. Pkg) |
|------------|------------------------------|---------------------------------|
| BFS17S     | AG302-63                     |                                 |
| CGY62E6327 | AG503-89                     | AG503-89                        |

### Legend

The “Form-fit WJ Functional Cross” refers to the WJ Communications’ device that is the closest equivalent to the competitive device in the same type of package. The WJ Cross may or may not be a drop-in replacement, as a different dropping resistor may be required for proper biasing.

The “Functional WJ Cross (diff. Pkg)” refers to the WJ device that is the closest equivalent to the competitive device in a different type of package. The WJ Cross may or may not be a drop-in replacement, as a different dropping resistor may be required for proper biasing.

If two devices are listed, then the “Functional WJ Cross – different package” cross is a closer functional cross to the competitive product.

WJ Applications Engineers are always available to assist with any of the information shown here or also to recommend a cross reference for any device not shown on this sheet.