



PRODUCT LIST - PULSED RF AMPLIFIERS

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Data sheets available at www.tomcorf.com/productlist.html

This product list represents our standard range of pulsed RF amplifier. Tomco specializes in custom design and we can readily tailor our standard specifications to meet the requirements of specific applications. If you do not find what you require please contact us at info@tomcorf.com.

Our standard range of pulsed amplifiers are specified for 20% maximum duty cycle and for maximum pulse widths of 10ms, 100ms or 300ms as standard. Higher pulse widths and duty cycles are available and can be priced on request.

Most of our standard pulsed amplifiers are capable of low power CW operation. The peak CW power is typically 10% of the peak pulsed power and is automatically available at RF drive levels of approx. -10dBm

Higher power levels are available by combining multiple single units using the Tomco high power hybrid combiners.

| Model Number | Frequency | Peak Power | Maximum pulse width |
|----------------|--------------|--------------|---------------------|
| BT00250-AlphaA | 10kHz-3MHz | 250W pulsed | 100ms |
| BT00500-AlphaA | 10kHz-3MHz | 500W pulsed | 100ms |
| BT01000-AlphaA | 10kHz-3MHz | 1000W pulsed | 10ms |
| | | | 100ms |
| BT02000-AlphaA | 10kHz-3MHz | 2000W pulsed | 10ms |
| | | | 100ms |
| BT04000-AlphaA | 10kHz-3MHz | 4000W pulsed | 10ms |
| | | | 100ms |
| BT08000-AlphaA | 10kHz-3MHz | 8000W pulsed | 10ms |
| | | | 100ms |
| Model Number | Frequency | Peak Power | Maximum pulse width |
| BT00250-AlphaS | 100kHz-30MHz | 250W pulsed | 100ms |
| BT00500-AlphaS | 100kHz-30MHz | 500W pulsed | 100ms |
| BT01000-AlphaS | 100kHz-30MHz | 1000W pulsed | 10ms |
| | | | 100ms |
| BT02000-AlphaS | 100kHz-30MHz | 2000W pulsed | 10ms |
| | | | 100ms |
| BT04000-AlphaS | 100kHz-30MHz | 4000W pulsed | 10ms |
| | | | 100ms |
| BT08000-AlphaS | 100kHz-30MHz | 8000W pulsed | 10ms |
| | | | 100ms |



| Model Number | Frequency | Peak Power | Maximum pulse width |
|-----------------|---------------|--------------|---------------------|
| BT00250-AlphaSA | 500kHz-150MHz | 250W pulsed | 100ms |
| BT00500-AlphaSA | 500kHz-150MHz | 500W pulsed | 100ms |
| BT01000-AlphaSA | 500kHz-150MHz | 1000W pulsed | 10ms |
| BT01800-AlphaSA | 500kHz-150MHz | 1800W pulsed | 100ms |
| Model Number | Frequency | Peak Power | Maximum pulse width |
| BT00100-Gamma | 5-400MHz | 100W pulsed | 300ms |
| BT00250-Gamma | 5-400MHz | 250W pulsed | 300ms |
| BT00500-Gamma | 5-400MHz | 500W pulsed | 300ms |
| BT01000-Gamma | 5-400MHz | 1000W pulsed | 300ms |
| Model Number | Frequency | Peak Power | Maximum pulse width |
| BT00100-Delta | 100-600MHz | 100W pulsed | 300ms |
| BT00250-Delta | 100-600MHz | 250W pulsed | 300ms |
| BT00500-Delta | 100-600MHz | 500W pulsed | 300ms |
| BT01000-Delta | 100-600MHz | 1000W pulsed | 300ms |



Amplifiers for EPR: Max. duty cycle 5%

| Narrowband | | | |
|---------------------|--------------------------------------|-------------------|----------------------------|
| Model Number | Frequency | Peak Power | Maximum pulse width |
| BT250-EPR | Narrow band in the range 100-1000MHz | 250W | 10µs |
| BT500-EPR | | 500W | 10µs |
| BT1000-EPR | | 1kW | 10µs |
| BT02000-Gamma | | 2kW | 10µs |
| BT04000-Gamma | | 4kW | 10µs |
| | | | |

| Broadband | | | |
|---------------------|---------------------------|-------------------|----------------------------|
| Model Number | Frequency | Peak Power | Maximum pulse width |
| BT250-EPR-bb | 100-600MHz or 350MHz-1GHz | 250W | 10µs |
| BT500-EPR-bb | | 500W | 10µs |
| BT1000-EPR-bb | | 1kW | 10µs |
| BT2000-EPR-bb | | 2kW | 10µs |
| BT4000-EPR-bb | | 4kW | 10µs |
| | | | |

Amplifier Modules

| Model Number | Frequency | Peak power |
|---------------------|------------------|--------------------|
| BTM00250-AlphaS | 100kHz-30MHz | 250W pulsed/50W CW |
| BTM00250-AlphaSA | 500kHz-150MHz | 250W pulsed/50W CW |