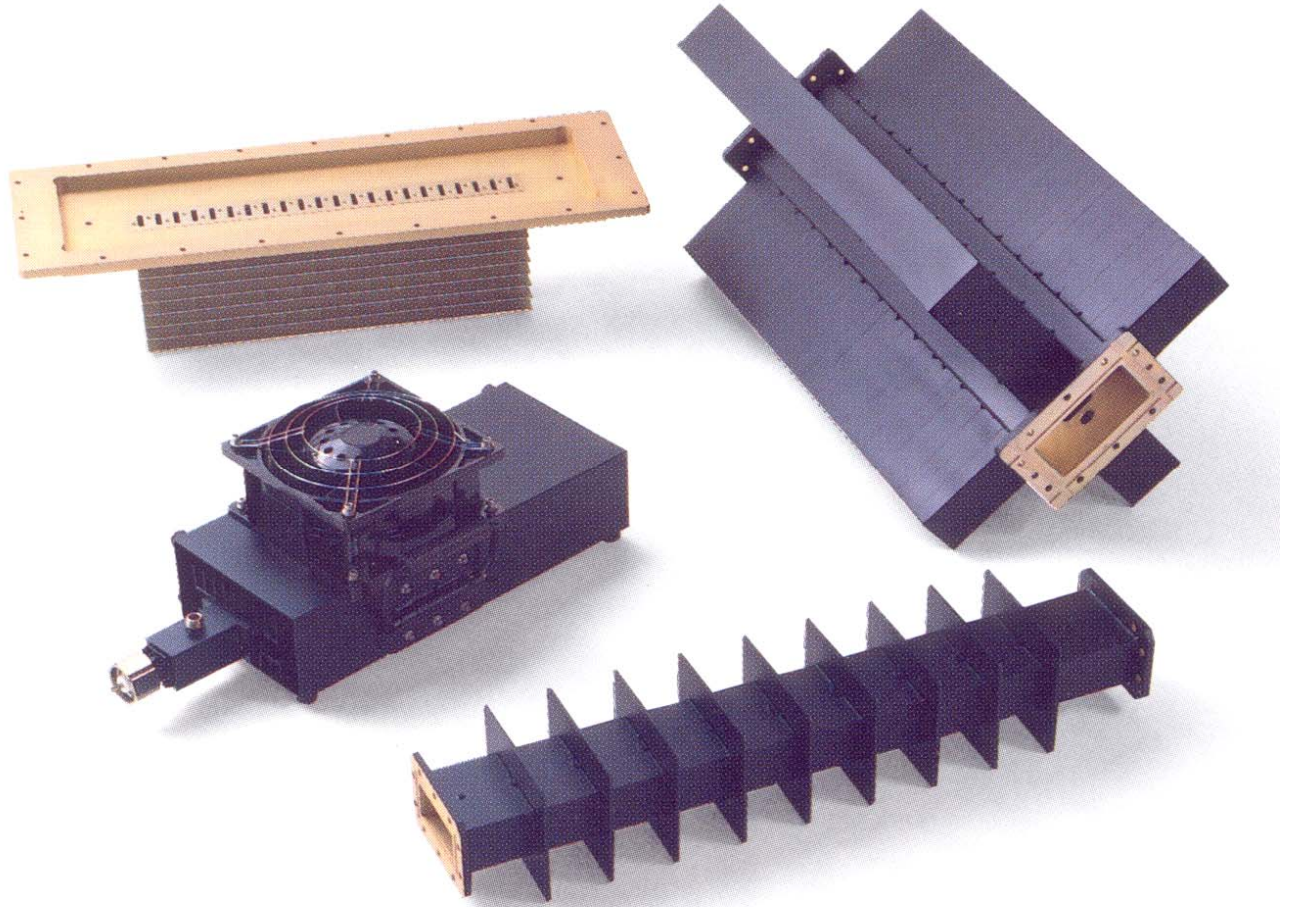




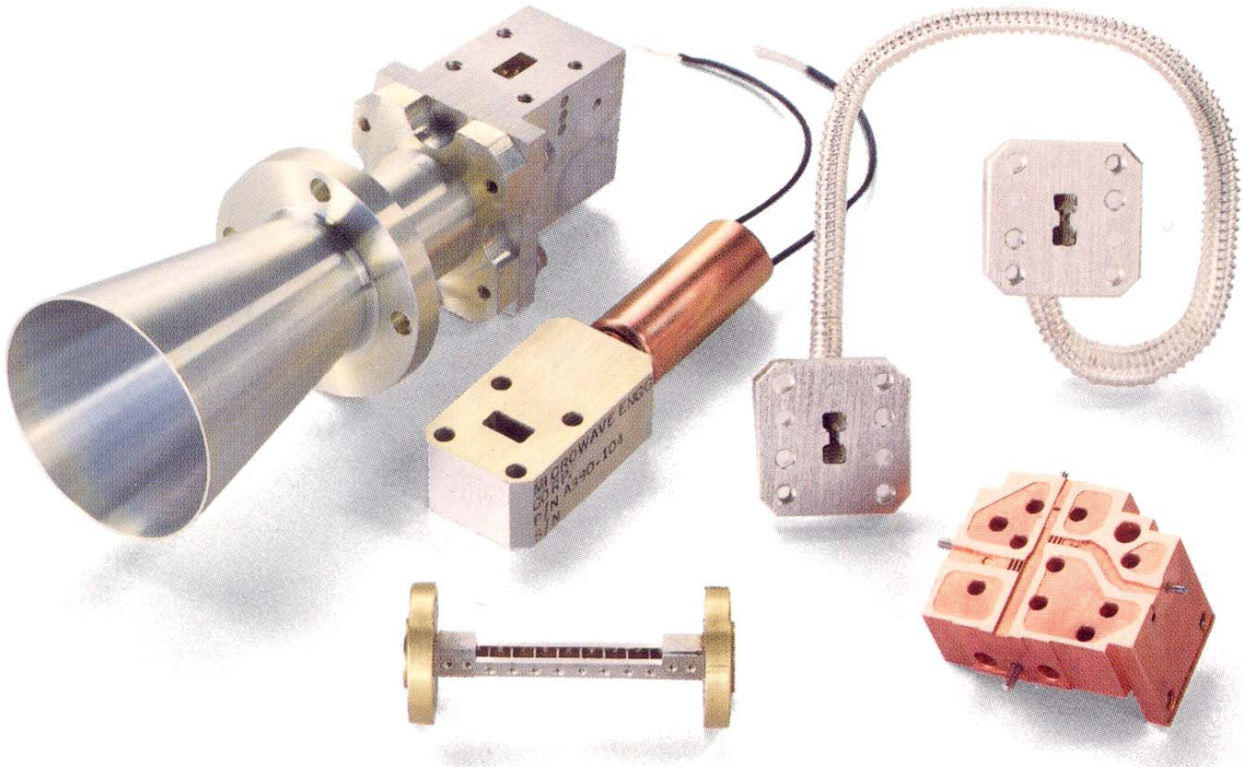
**THE RIGHT STUFF. PERIOD.
HIGH POWER COMPONENTS**

**DATA
SHEET
No. B021a**



MEC has mastered the exacting science of high power handling, from .2 to 40GHz in coax and waveguide. Examples include:

- Dummy loads ranging from passive radiating finned models to fan and liquid cooled.
- Absorptive filters which prolong transmitter life by preventing overheating due to spurious harmonics.
- Mismatches, fixed or variable amplitude and/or phase, to test for breakdown under simulated standing waves.
- Assorted high power components, such as waveguide to coax adapters, couplers, pressure windows and customized test kits.



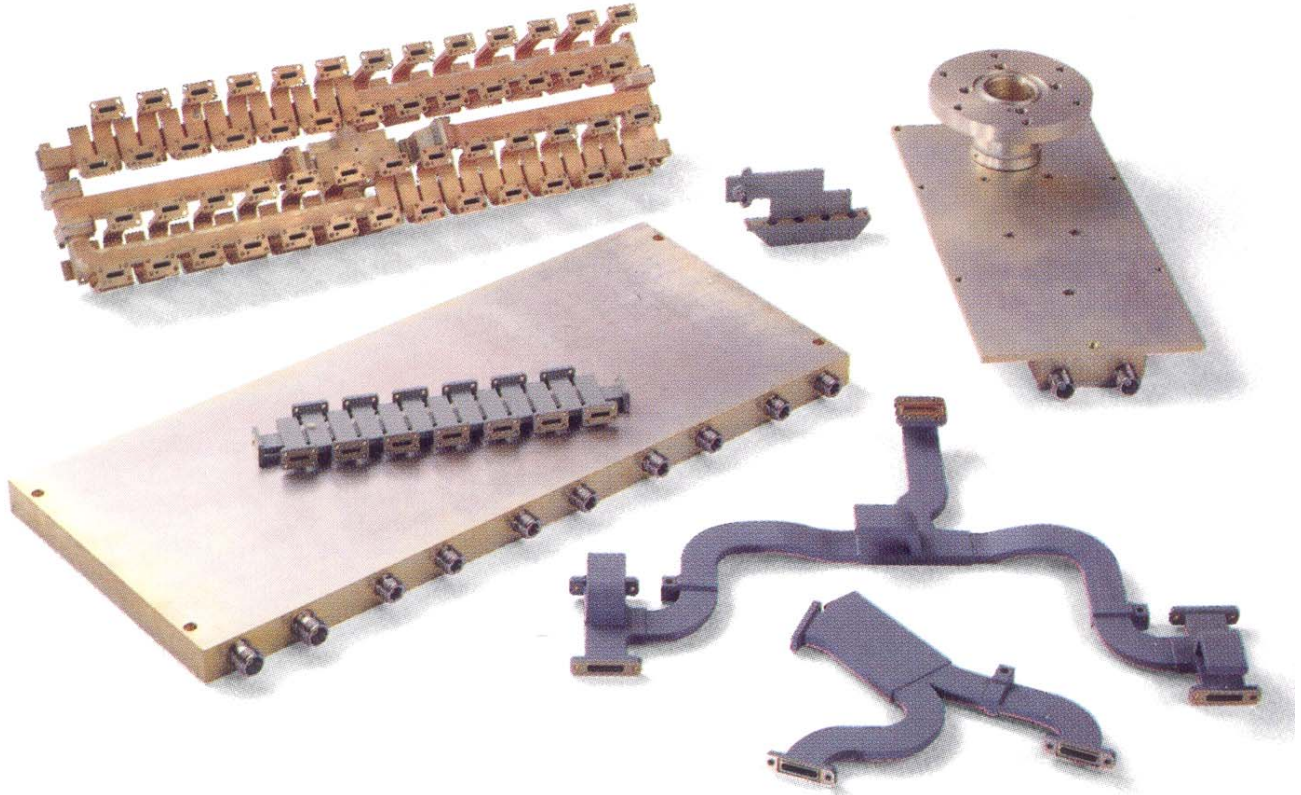
Flexible WRD180 Waveguide All-new design has excellent stability and performance, 18-40 GHz, loss <1.2 dB/ft, VSWR <1.2:1. Available alone and in pre-bent assemblies with rigid sections and pressure windows. Switches and shutters designed for cellular communication and commercial applications, these compact switches and shutters provide over 40dB of isolation with high reliability and low cost.

Filters & Multiplexers The full spectrum of bandpass, bandreject, lowpass and absorptive filters, up to 90 GHz individually and in combinations with horns, OMTs and polarizers. Precision machined to achieve higher Q than electroforming at less cost and faster delivery.



**THE RIGHT STUFF. PERIOD.
ARRAY FEEDS & NETWORKS**

**DATA
SHEET
No. B021c**



MEC offers a broad range of feed networks in stripline, rectangular and ridge waveguide, from .2 to 40GHz. We can meet your most exacting requirements, from a singlestage 2-way combiner handling 10KW in coax, to networks with over 50 elements in WR28.

Variations include air-borne corporate feeds with equal amplitude and phase; multi-sector monopulse with 0° and 180°; serial feeds with tapered illumination for low sidelobe phased arrays; and Wilkinson and hybrid networks in stripline for combining multiple solid-state amplifiers to replace TWT's.

