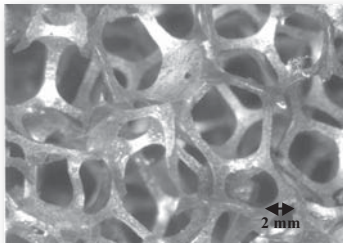


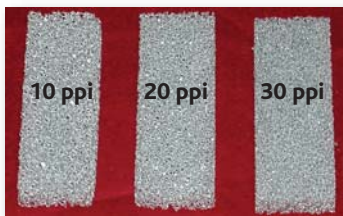
OZER ADVANCED TECHNOLOGIES



RETICULATED METAL FOAM (RMF) HEAT EXCHANGERS (HX) FOR LOW WEIGHT, VOLUME AND HIGH PERFORMANCE APPLICATIONS



30 pore per inch (ppi),
8% dense Al foam

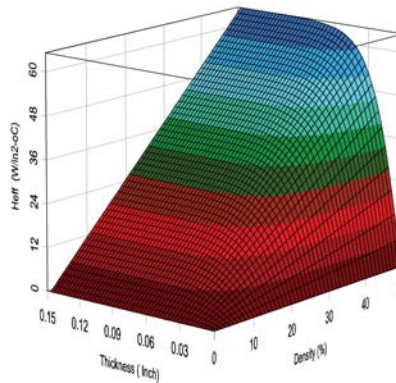


3.5"x1.5"x0.5" Blocks
of 8% Al foam



½ Bridge 50 kW Module, 4 in³
Integral RMF HX on Cu Metalized
AlN base, q=1 kW/in², liquid cooled

- Lower cost/performance
- No device derating
- Minimized parasitics
- Lower switching and on losses
- Lower T_j, higher reliability
- Air and liquid cool options
- Low flow resistance designs
- Power, RF and digital applications
- Discretes and Modules
- Integral HX w/o soft interfaces
- Ideal for phase change HXs
- High surface density (SD)
- High corrosion resistance



30 ppi, 50% RMF, 400 in²/in³ SD
Water, R_{th}=0.0167 °C/W-in²
Air, R_{th}=0.167 °C/W-in²

Ozer Advanced Technologies
(518) 765-3803 (V) • (518) 765-9005 (F)
www.metalfoamheatexchangers.com