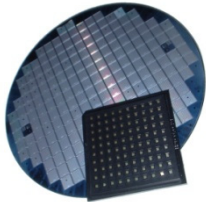


Bare Die SiC Schottky Rectifiers & JFETs

Micross Components in partnership with SemiSouth are distributing a High Performance range of SiC Power Die Products

SiC-based semiconductor devices offer significant advantages over competing products based on silicon, GaAs and other materials for power-based electronic applications. In some applications, the properties and parameters of SiC power transistors have allowed for replacement of up to 10 conventional solid-state devices. Furthermore, products based on SiC provide up to an order of magnitude improvement in performance in technical applications where silicon is already approaching theoretical limits. For these reasons, SiC products will enable essential technical performance that, in turn, will allow customers to develop and market innovative and competitive products. SiC bare die are specialized for high-power, high-efficiency, harsh-environment power management and conversion applications. SiC bare die offer a very high reliability and are well suited for **Military, Aerospace and High Temperature electronics applications.**



SiC bare die benefits by market sector

	Down Hole	Avionics	Switched Power	Hybrid Electric Vehicles	Space
Hi-Temp	•	•			•
Power Efficiency			•	•	
Compact Size	•	•	•	•	•
Ruggedness	•	•			•
Radiation Resistance		•			•

SemiSouth Products : Schottky Diodes, Enhancement & Depletion Mode JFETS

1200V Schottky Diodes	Normally-Off JFETS	Normally-On JFETS
5A - SDA05S120	1200V, 100mOhm SDA05S120	1200V, 85mOhm SJDP120R085
10A - SDA10S120	1200V, 63mOhm SJEP120R063	
20 A - SDP20S120D	1700V, 550mOhm SJEP170R550	
30A - SDP30S120		

Note: Improved electricals & performance up to T_j300°C can be obtained at die level depending on assembly techniques & substrate

Please contact Micross for the latest specific bare die datasheets & supply formats

<http://www.micross.com/bare-die-SiC-discretes.aspx>

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