

Microsemi SiC MOSFETs

Product Roadmap

Voltage	Current	$R_{DS(ON)}$	Part Number	Package	Availability
1200V	40A	80m Ω	APT40SM120B	TO-247	Samples Available Now Production Late 2015
			APT40SM120S	D3	
			APT40SM120J (32A)	SOT-227	
1200V	25A	140m Ω	APT25SM120B APT25SM120S	TO-247 D3	Samples Available Now Production Late 2015
1700V	5A	800m Ω	APT5SM170B APT5SM170S	TO-247 D3	Samples Available Now Production Late 2015
1200V	80A	40m Ω	APT80SM120B APT80SM120S APT80SM120J	TO-247 D3 SOT-227	Samples Available Fall 2015 Production Early 2016
700V	70A	53m Ω	APT70SM70B APT70SM70S APT70SM70J	TO-247 D3 SOT-227	Samples Available Fall 2015 Production Early 2016
700V	35A	TBD	APT35SM70B APT35SM70S APT35SM70J	TO-247 D3 SOT-227	Samples Available Early 2016 Production Mid 2016
700V	130A	33m Ω	APT130SM70B APT130SM70J	TO-247 SOT-227	Samples Available Early 2016 Production Mid 2016

THE RACE IS ON!
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Microsemi Advantages

- Best in class $R_{DS(ON)}$ vs. Temp.
- Low Switching Losses
- Highest Short Circuit Withstand
- Lowest Gate Resistance
- Patented SiC Technology