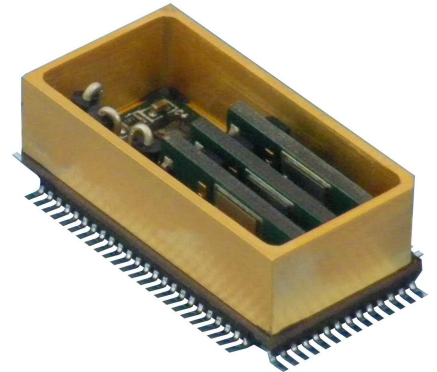


Radiation Hardened Divert Attitude Control System

Space Micro Inc's SM-DACS-1000 Divert Attitude Control System (DACS) was developed for interceptor and space systems that require reliable, miniaturized, high performance electronics that are radiation hardened to meet HAENS 2 requirements. This product is used in high power switching typically encountered in thruster and ignition functioning.

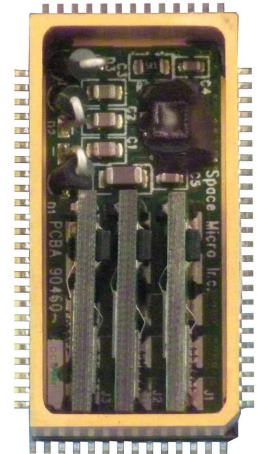


Features for Space

- Miniaturized with 3D stacking technology
- Radiation Hardened to MDA HAENS 2
- No Latch-up
- Ruggedized for missile & space applications
- Surface Mount packaging
- Conductive cooling
- Custom versions available

Applications

- Missiles/Space valve & thruster driver
- Missiles/Space high current driver
- Missiles/Space high side driver



DACS Module

SM-DACS-1000

Part Numbering

SM-DACS-1000-X

↑	↑	↑	↑	__	B	Class B, MIL-STD-883
				__	E	EM Engineering Grade
				__		Base Part Number
				__		DACS Application
				__		Space Micro supplier

Space Micro Inc

10401 Roselle Street
Suite 400
San Diego, CA 92121

Phone: 858-332-0700
Fax: 858-332-0709
www.spacemicro.com



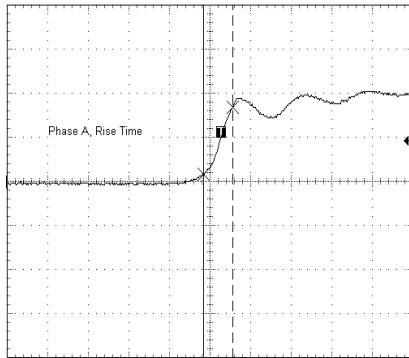
Radiation Hardened Divert Attitude Control System

Specifications

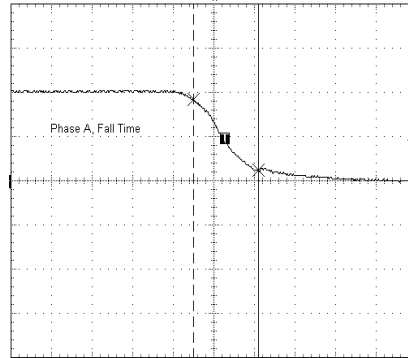
Dimensions:	1.40" x 0.74" x 0.45"H
Weight:	20 grams
Temperature:	Operating: -40°C to +125°C Storage: -55°C to +150°C
Inputs:	Vcc = +15.0V; 3.3V Logic Actuator Supply Voltage = 88V-140V
Outputs:	3-Phase or 3-Half Bridge, 10.0A
Screening:	-EM (Engineering Model) -B (Class B)
Reliability:	MTBF > 10 years
Environmental:	
Vibration capability	0.04 G ² /Hz from 100 to 2000 Hz
Mechanical Shock capability	MIL-STD-883, Method 2002 Condition B 1,500 g's, 0.5 ms duration

Waveforms

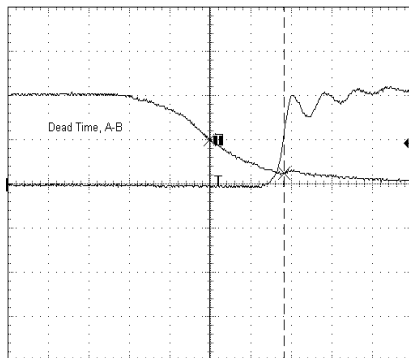
Rise Time:



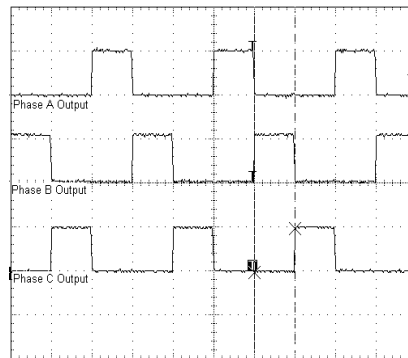
Fall Time:



Dead Time Phase A to Phase B:



3 Phase Output Graph:



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