

Ceradyne SEMICORE® S1-5A MMOA 20/15 SmCo5 Samarium Cobalt Magnet

Category : Metal , Electronic/Magnetic Alloy , Nonferrous Metal , Cobalt Alloy

Material Notes:

Magnetic alignment at 90° to Compaction Axis Applications: Microwave amplifiers and oscillators for airborne equipment TWT modules for phased array radar Small motors for severe thermal conditions Hermetic magnetic couplings to replace shaft seals Lightweight generators, usually for aircraft Vane actuators for missiles Particle beam focusing, quadrupoles, lenses, wigglers, etc. Magnetic bearings, gyros, vacuum pumps, accelerometers Various mechanisms in disk drives, cameras, tape drives, and miniature loudspeakers and earphones; where small size is important Magnetic alignment at 90° to compaction angle. Information provided by Ceradyne Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ceradyne-SEMICORE-S1-5A-MMOA-2015-SmCo5-Samarium-Cobalt-Magnet.php

Physical Properties	Metric	English	Comments
Density	8.40 g/cc	0.303 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	13.0 µm/m-°C	7.22 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	10.5 W/m-K	72.5 BTU-in/hr-ft ² -°F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000500 ohm-cm	0.0000500 ohm-cm	
Magnetic Coercive Force, Hc	>= 1500 Oe	>= 1500 Oe	Intrinsic
	8100 - 8500 Oe	8100 - 8500 Oe	
Magnetic Remanence, Br	8500 - 9100 Gauss	8500 - 9100 Gauss	
Magnetic Maximum Energy Product, BH	18 - 20 MGOe	18 - 20 MGOe	
Curie Temperature	700 °C	1290 °F	

Descriptive Properties	Value	Comments
Room Temperature Compensation, RTC, %/°C	-0.045	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China