MAGNETICS INC

MK Magnetics Part Numbering System

MK Magnetics	Core Type	Case Type	Core Size	Material	Thickness	Loop Type	Customer Specific
S	X	X	XXXX	X	X	X	- X

C-Core Part Number Example

Example: **SC1000M1**, "**S**" = MK Magnetics, "**C**" = C-core, **no** "**Case Type**" call out means no case or epoxy coating, "**1000**" = part size, "**M**" = Nanocrystalline, "**1**" = .001" thick material, **no** "**Loop Type**" (BH loop) call out immediately after material thickness means standard loop, not ending with a "**dash**" & "**Customer Specific**" call out means it is a standard part number

SC1000M1F, Same as above, but with non-standard "**Loop Type**" letter indicator when needed, "**F**" = flat loop

SCX1000M1F, Same as above, but with "**Case Type**" letter indicator when needed, "**X**" = epoxy coated

SC1000M1F-A, Same as above but with non-standard "**Customer Specific**" letter indicator when needed, "**A**" = customer specific part number, this letter indexes for each customer ordering this same part with a special requirement

E-Core & T-Core Part Number Example

Same as C-core, but "Core Type" becomes an "**E**" for E-core and "**T**" for toroid

Core Type Indicator		Description	Core Dimensional Parameters			
C	=	C-core	D	E	F	G
E	=	E-core	D	2E	F	G
T	=	Toroid	D	ID	OD	
P	=	Pie/Circular core	D	IR	OR	
D	=	D-core	D	E	OR	
B	=	Bar	D	E	L	

Core Material Type Indicators

A	=	Standard Grade, 3% grain-oriented silicon steel, .001", .002", .004", .009" M3, .012" M5
B	=	Z-Type, High Flux Grade, 3% grain-oriented silicon steel, .002", .004", .007" M2, .009" & .011" Tran-Core-H
C	=	Premium-Z-Type, Super Oriented High Flux Grade, 3% grain-oriented silicon steel, .004", .009", .011"
D	=	Supermalloy, 80% Nickel, Molybdenum 5.0%-6.0%, Balance Iron, .0005", .001", .002", .004"
E	=	Permalloy-80, 80% Nickel, Molybdenum 4.0%-5.0%, Balance Iron, .0005", .001", .002", .004"
F	=	Square Permalloy-80, 80% Nickel, Molybdenum 4.0%-5.0%, Balance Iron, .0005", .001", .002", .004"
G	=	Square 50% Nickel, 50% Nickel, Balance Iron, .0005", .001", .002", .004"
H	=	Round 50% Nickel 4750 alloy, Transformer Grade, 50% Nickel, Balance Iron, .001", .002", .004"
J	=	Supermendur®, 49% Cobalt, 49% Iron, 2% Vanadium, .002", .004", round, square loop
K	=	2V-Permendur, 49% Cobalt, Balance Iron, Special order
L	=	Amorphous Metglas® 2605SA1, .001", round, square, flat, transverse loop
M	=	Nanocrystalline, Finemet® FT3,.0007", round, square, transverse loop
N	=	High Purity Iron, ultra low carbon, .003"
P	=	NKK 6.5% non-oriented silicon steel, .002", .004"
R	=	Non-oriented 3% silicon steel, .005", .007"
S	=	M19, 3% non-oriented silicon steel, .014"
T	=	M4, 3% grain-oriented silicon steel, .011"

Thickness Indicator

.0004"-.0006"	=	5
.0007"-.001"	=	1
.002"	=	2
.004"	=	4
.007"	=	7
.009"	=	9
.011"	=	A
.012"	=	B
.014"	=	C

Special Hysteresis Loop Type Modifiers

F	=	Flat Loop Anneal
R	=	Round Loop Anneal
S	=	Square Loop Anneal
T	=	Transverse Loop Anneal

Case Type Indicator For Cased Toroids

A	=	Machined nylon, silicone grease damped, unsealed
B	=	Glass filled injection molded nylon, silicone grease damped, unsealed
C	=	Phenolic case, customer specified damping, unsealed
D	=	Aluminum epoxy coated, silicone rubber damped, sealed
E	=	Anodized aluminum, silicone rubber damped, unsealed
F	=	Customer supplied case, customer specified damping
X	=	Epoxy fluidize coated

17030 Muskrat Ave, Adelanto CA 92301 ph: 760-246-6373 800-605-9565 fax: 760-246-6378 www.mkmagnetics.com info@mkmagneics.com