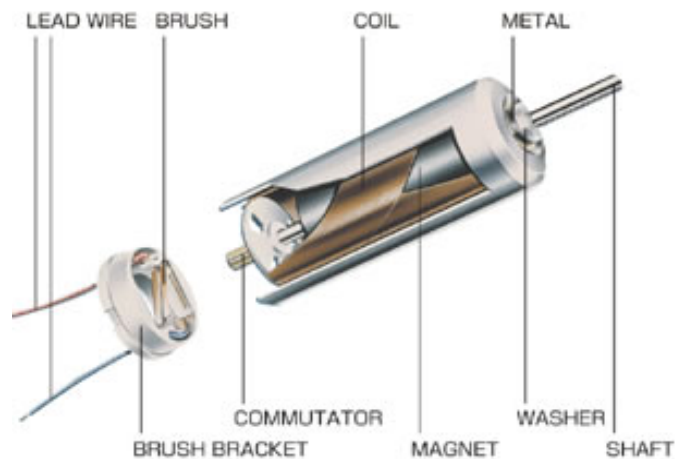


## DC CORELESS MOTORS

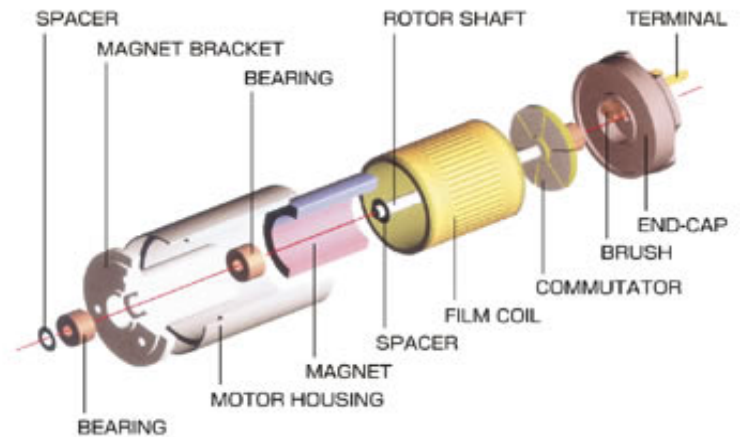
EVERCOM's high-precision technology has given rise to a one-of-a-kind performer, the Coreless DC Motor. The EVERCOM Coreless Motor relegates conventional motors and conventional motor wisdom to the past by incorporating with Nippon Sakura Power(NSP), our special Nd-Fe-B rare earth magnet, along with revolutionary armature which functions without an iron core.

The Coreless Motor is trusted for quality and employed in an array of fields worldwide. Think of it as a "strong silent type" of motor-small and noiseless, yet capable of extremely high output torque.

### WIRE COIL TYPE CORELESS MOTORS



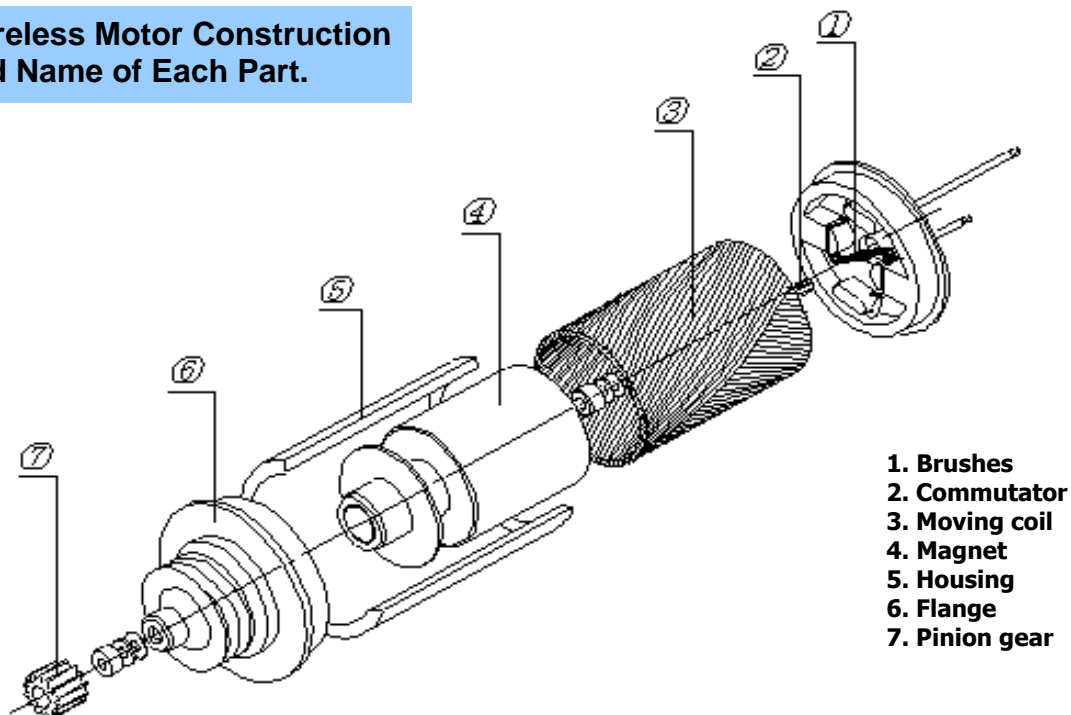
### FILM COIL TYPE CORELESS MOTORS



### Coreless Motors Outstanding features

- Compact design (Small size and light weight)
- Energy saving ( Low current consumption )
- Low inertia and high controllability  
(Low mechanical time constant and quick response)
- High efficiency (No steel core & high efficiency)
- Smooth motive power (Constant rotation without cogging and very smooth rotation)
- Superior rectification and Low electrical noise and long life.

### Coreless Motor Construction and Name of Each Part.
























1. Brushes
2. Commutator
3. Moving coil
4. Magnet
5. Housing
6. Flange
7. Pinion gear

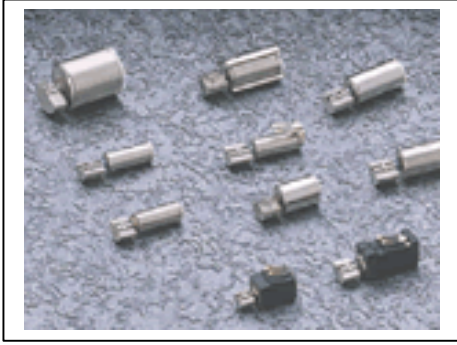


### Feature

- ? Nd-Fe-B Magnet Applied and High-Durability
- ? Low Current consumption and Very Low Electronic Noise.
- ? Ironless Armature offer smooth and quiet operation and no magnetic cogging.
- ? High efficiency , low current consumption and long life.

### MOTOR & GEARED MOTOR TYPICAL PERFORMANCE

SIZE (mm)	Rated Output Power (W)	Rated Current (A)	Motor No-Load Speed (rpm)	Spur Gearhead Type							Planetary Gearhead Type					
				GM10	GM12	GM16	GT20	GT22	GM35	GM54	P16	P22	P32	P39	P42	P52
				 1/3~ 1/1000	 1/3~ 1/1000	 1/10~ 1/900	 1/5~ 1/900	 1/5~ 1/900	 1/6~ 1/3000	 1/5~ 1/1000		 1/4~ 1/2000	 1/4~ 1/2000	 1/5~ 1/720	 1/10~ 1/300	 1/4~ 1/3600
			Gearhead Size (mm)	10x 19L	12x 15L	16 x 18L	20 x 20L	22 x 22L	37x 30L	□60 x 36L	22x 25L	22x 26L	32x 36L	39 x 29L	42X 60L	52x 50L
EB10  10x20L	0.22	0.09	1500~ 25000	0.03A ~ 0.18A	0.03A ~ 0.13A											
EB12  16x20L	0.30	0.08	7000~ 10000		0.07A ~ 0.09A											
EB14  14x20L	0.40	0.20	8000~ 13000			0.150A~ 0.30A										
EB16  16x25L	0.50	0.25	8000~ 13000			0.20A~ 0.40A	0.20A~ 0.40A									
EB18  18x25L	0.50	0.20	8000~ 13000				0.30A~ 0.40A	0.30A~ 0.40A								
EB22  22x25L	0.60	0.15	6000~ 8000				0.12A~ 0.16A	0.12A~ 0.16A			0.12A ~ 0.16A	0.12A ~ 0.16A				
EB30  29x45L	2.50	0.20	6000~ 8000						0.10A~ 0.30A	0.10A~ 0.30A			0.10A ~ 0.30A	0.10A~ 0.30A	0.10A~ 0.30A	
EB40  40x40L	3.90	0.50	2800~ 5000											0.15A~ 0.70A	0.15A~ 0.70A	0.15A~ 0.70A



### Feature

- ? Nd-Fe-B Magnet Applied and High-Durability
- ? Low Current consumption and Very Low Electronic Noise.
- ? Ironless Armature offer smooth and quiet operation and no magnetic cogging.
- ? High efficiency , low current consumption and long life.

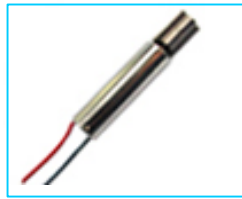
### STANDARD TYPE OUTLINE



■ 6X17.2L ( mm)  
terminal type

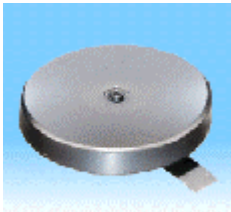


■ 6X17.2L ( mm)  
with metal coat.

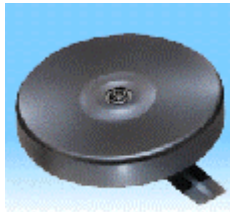


■ 4X12L ( mm)  
wire type

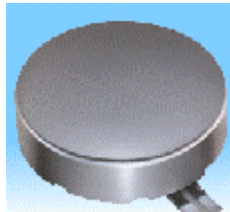
### SPECIAL TYPE OUTLINE



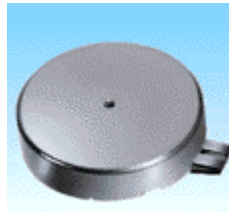
■ 18 x 3H ( mm)



■ 14 x 3.8H ( mm)



■ 18 x 4.3H ( mm)



■ 14 x 3.4H ( mm)



■ 12 x 3.4H ( mm)

## FOR OEM ORDERS ONLY !!

NOTICE : EVERCOM DC Coreless motor for cellular phone usage is only for Custom's OEM/ODM order , so pls contact with our sales engineer by [telst@ms67.hinet.net](mailto:telst@ms67.hinet.net) before your samples order released !! Thank you very much !