樹脂外装メタライズドポリエステルフィルムコンデンサ

Resin Coated Metalized Polyester Film Capacitor

MDD SERIES

一般電子機器用　5, 7.5 ㎜ピッチ

- 誘電体にメタライズドポリエステルフィルムを用いた、無誘導巻き構造
- 難燃性エポキシ樹脂外装(UL94V-0)
- リードピッチを 5.0 ㎜及び 7.5 ㎜に統一

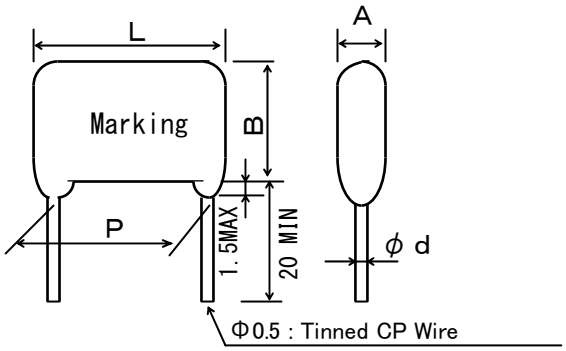
For use in general electronics

- MDD series has non-inductive construction of metalized polyester film.
- Flame retardant epoxy resin (UL94V-0) coating type
- All lead pitch dimensions are 5 ㎜ or 7.5 ㎜

性能　Performance

項 目　Item	性 能　Performance
使用温度範囲 Temperature range	-40～＋85℃ (＋105℃) +85℃を超える時は電圧軽減必要 Derate the operating voltage if operating temperature is higher than +85℃.
定格電圧範囲 Rated Voltage (U_R)	50V_{DC}(1H)，63V_{DC} (1J)，100V_{DC} (2A)，250V_{DC} (2E)
静電容量範囲 Capacitance range	0.01～ 2.2 μF
静電容量許容差 Capacitance tolerance	±10%(K)
耐電圧 Withstanding voltage	端子相互間 : U_R×1.5(V_{DC}) for 1 min Between terminals : 端子外装間 : U_R×2(V_{DC}) for 1～5sec Between terminals and enclosure :
絶縁抵抗 Insulation resistance (IR)	C≦ 0.33 μF : ≧9000MΩ(100V_{DC} for 1min/　50V,63V : 50V_{DC} for 1min) C＞ 0.33 μF : ≧3000Ω･F　(100V_{DC} for 1min/　50V,63V : 50V_{DC} for 1min)
誘電正接 tan δ	≦0.01 (1kHz)

外形図　Component outline



表示例　Marking example

105 **N**
1H ☐

☐ : 管理記号
Control code

形名の構成例　/　Type designation

MDD　2　1H　334　K　7.5　-　☐

- ☐ 追加記号 : Additional code
  - ･ﾃｰﾋﾟﾝｸﾞ : Taping
  - ･ﾘｰﾄﾞﾌｫｰﾐﾝｸﾞ : Formed lead
  - ･ﾘｰﾄﾞｶｯﾄ : Cut lead
- 7.5 リードピッチ寸法 : Lead pitch dimensions
- K 静電容量許容差 : Capacitance tolerance
- 334 定格静電容量 : Rated capacitance
- 1H 定格電圧 : Rated voltage
- 2 端子同一方向形 : Radial lead type
- MDD 品名 : Type name

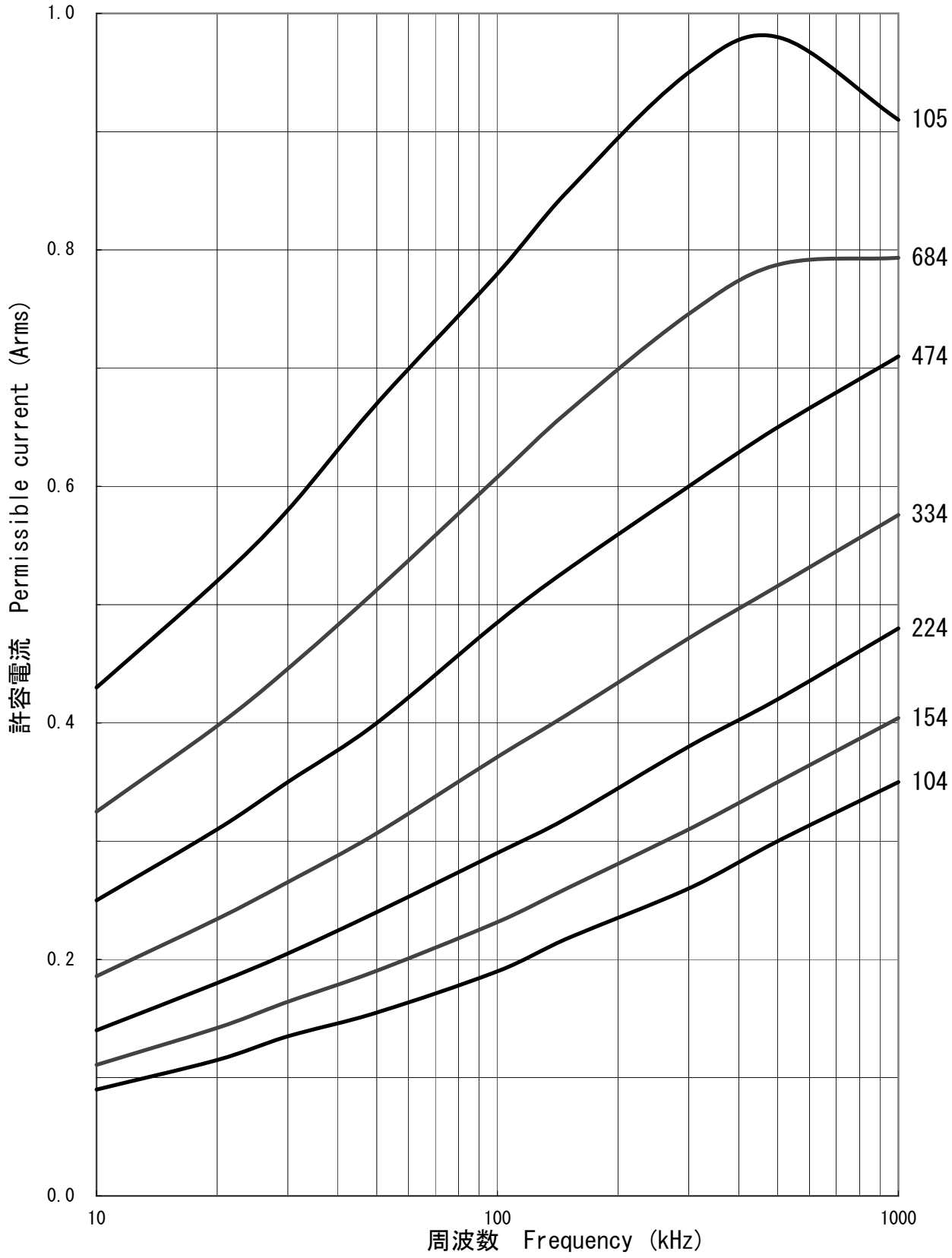
樹脂外装メタライズドポリエステルフィルムコンデンサ

Resin Coated Metalized Polyester Film Capacitor

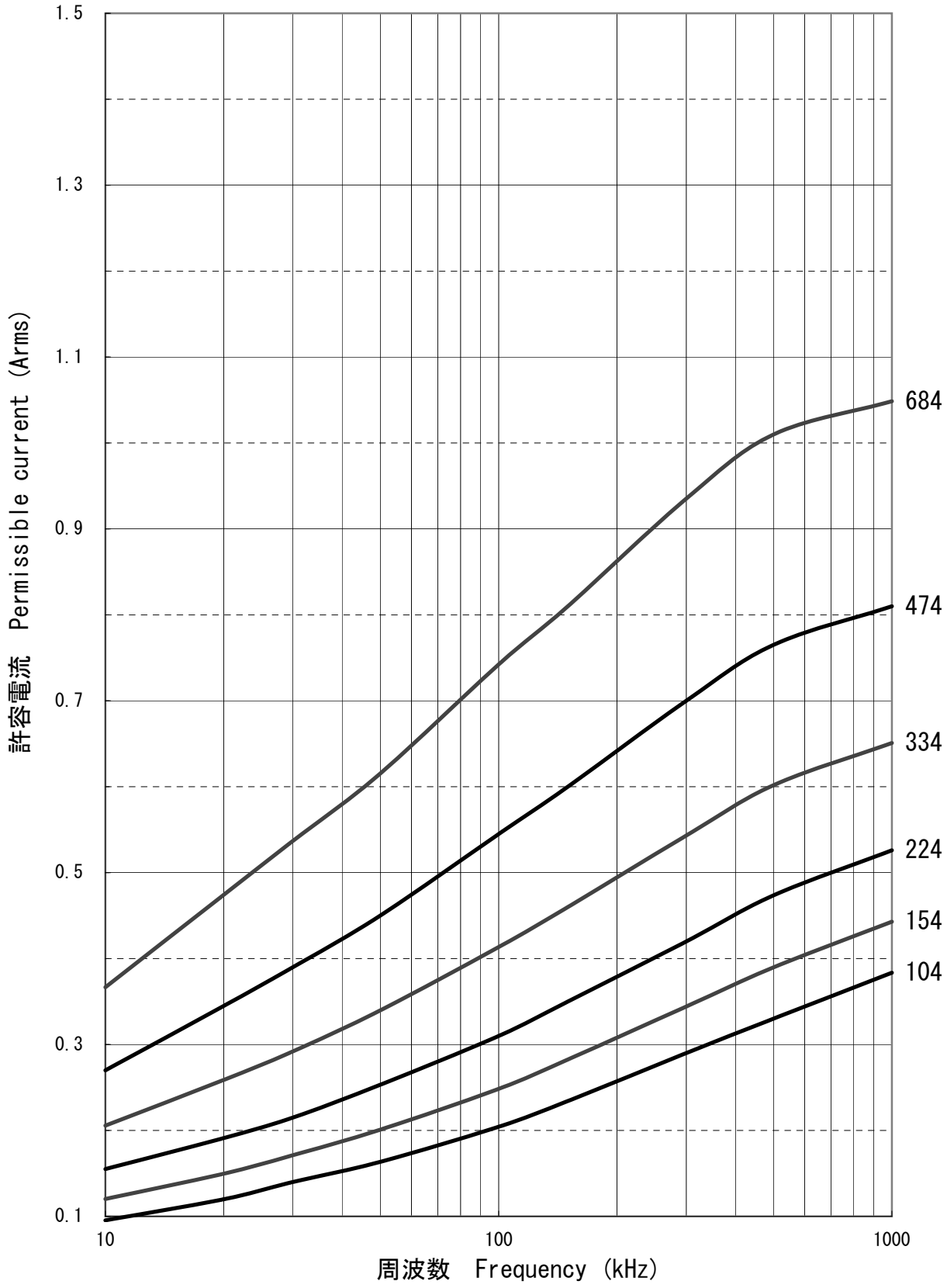
定格寸法表（MDD） Standard dimensions （㎜）

Part cord	Rated voltage (V_{DC})	Capacitance (μF)	Tolerance (%)	A max	B max	L max	P ±1.0	φd	Permissible current Iop (A)	Taping PCS/Package
MDD21H104K5	50	0.1	±10	4.0	6.7	7.8	5.0	0.5	1.3	2000
MDD21H154K5		0.15		4.0	6.7	7.8	5.0	0.5	1.5	2000
MDD21H224K5		0.22		4.4	7.2	7.8	5.0	0.5	2.2	1500
MDD21H334K5		0.33		4.4	8.4	7.8	5.0	0.5	3.1	1500
MDD21H474K5		0.47		5.1	9.1	7.8	5.0	0.5	4.7	1250
MDD21H684K5		0.68		6.0	9.9	7.8	5.0	0.5	6.8	1000
MDD21H105K5		1.0		6.3	11.5	7.8	5.0	0.5	10.0	1000
MDD21J104K5	63	0.1	±10	4.0	6.8	7.8	5.0	0.5	1.3	2000
MDD21J154K5		0.15		4.2	7.3	7.8	5.0	0.5	2.0	1750
MDD21J224K5		0.22		4.5	8.5	7.8	5.0	0.5	2.9	1500
MDD21J334K5		0.33		5.3	9.5	7.8	5.0	0.5	4.4	1250
MDD21J474K5		0.47		5.9	10.6	7.8	5.0	0.5	6.3	1000
MDD21J684K5		0.68		7.1	11.8	7.8	5.0	0.5	9.1	1000
MDD22A473K5	100	0.047	±10	4.0	6.9	7.8	5.0	0.5	0.91	1750
MDD22A683K5		0.068		4.2	8.4	7.8	5.0	0.5	1.3	1500
MDD22A104K5		0.1		4.6	9.0	7.8	5.0	0.5	1.9	1500
MDD22A154K5		0.15		5.1	10.3	7.8	5.0	0.5	2.9	1250
MDD22A224K5		0.22		6.1	11.3	7.8	5.0	0.5	4.2	1000
MDD22E103K5	250	0.01	±10	3.0	6.5	7.8	5.0	0.5	0.32	2000
MDD22E153K5		0.015		3.6	7.1	7.8	5.0	0.5	0.48	1750
MDD22E223K5		0.022		4.2	7.4	7.8	5.0	0.5	0.70	1750
MDD22E333K5		0.033		4.7	8.6	7.8	5.0	0.5	1.1	1500
MDD22E473K5		0.047		5.4	9.3	7.8	5.0	0.5	1.5	1250
MDD22E683K5		0.068		6.1	10.7	7.8	5.0	0.5	2.2	1000
MDD21H334K7.5	50	0.33	±10	4.0	7.1	10.0	7.5	0.5	2.0	2000
MDD21H474K7.5		0.47		4.2	8.1	10.0	7.5	0.5	2.8	1750
MDD21H684K7.5		0.68		4.8	8.8	10.0	7.5	0.5	4.1	1500
MDD21H105K7.5		1.0		5.4	10.1	10.0	7.5	0.5	6.0	1250
MDD21H155K7.5		1.5		6.5	11.2	10.0	7.5	0.5	9.0	1000
MDD21H225K7.5		2.2		7.6	12.8	10.0	7.5	0.5	13.2	900
MDD21J224K7.5	63	0.22	±10	4.0	7.1	10.0	7.5	0.5	1.8	2000
MDD21J334K7.5		0.33		4.4	8.3	10.0	7.5	0.5	2.6	1500
MDD21J474K7.5		0.47		5.0	8.9	10.0	7.5	0.5	3.8	1250
MDD21J684K7.5		0.68		5.6	10.3	10.0	7.5	0.5	5.4	1250
MDD21J105K7.5		1.0		6.6	11.4	10.0	7.5	0.5	8.0	1000
MDD22A104K7.5	100	0.1	±10	4.0	6.9	10.0	7.5	0.5	1.2	1750
MDD22A154K7.5		0.15		4.1	8.0	10.0	7.5	0.5	1.8	2000
MDD22A224K7.5		0.22		4.7	9.5	10.0	7.5	0.5	2.6	1250
MDD22A334K7.5		0.33		5.4	10.6	10.0	7.5	0.5	3.8	1250
MDD22A474K7.5		0.47		6.3	12.5	10.0	7.5	0.5	5.4	1000
MDD22E333K7.5	250	0.033	±10	4.1	7.0	10.0	7.5	0.5	0.63	2000
MDD22E473K7.5		0.047		4.5	8.0	10.0	7.5	0.5	0.90	1500
MDD22E683K7.5		0.068		4.7	8.6	10.0	7.5	0.5	1.3	1500
MDD22E104K7.5		0.1		5.3	10.0	10.0	7.5	0.5	1.9	1250
MDD22E154K7.5		0.15		6.3	11.0	10.0	7.5	0.5	2.9	1000

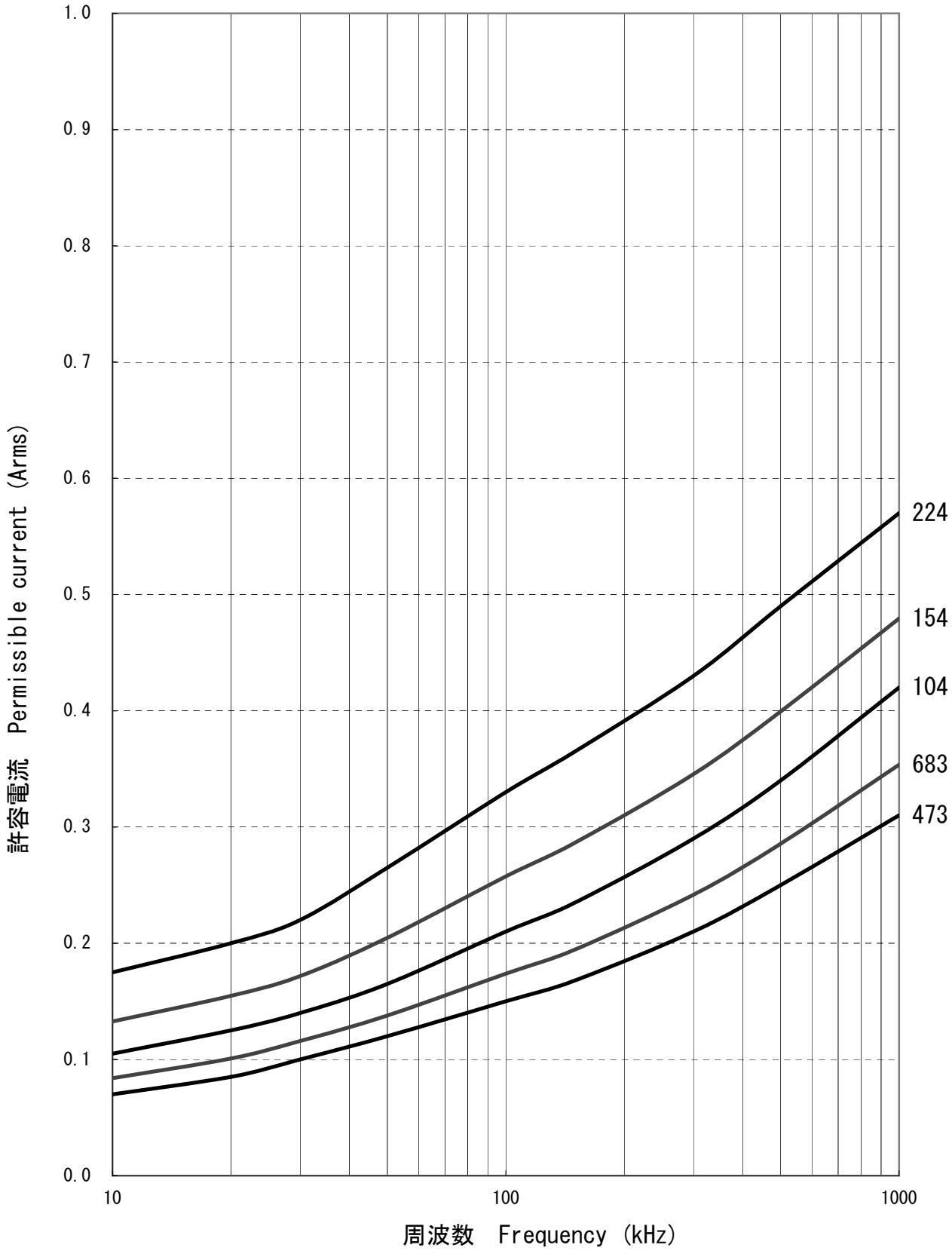
周波数別許容実効電流値
Permissible current vs. Frequency
MDD 5mm Pitch 50VDC



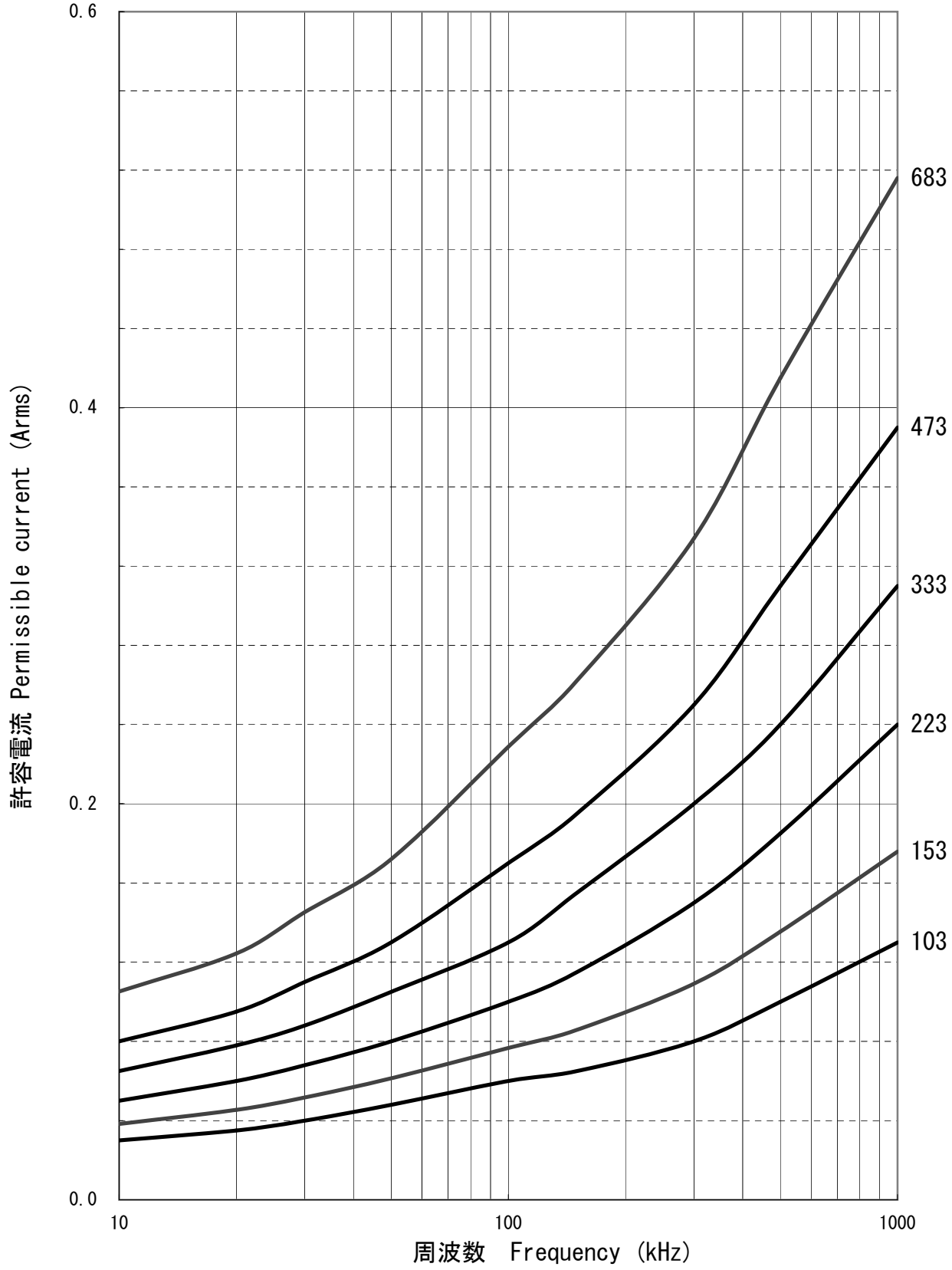
周波数別許容実効電流値
Permissible current vs. Frequency
MDD 5mm Pitch 63VDC



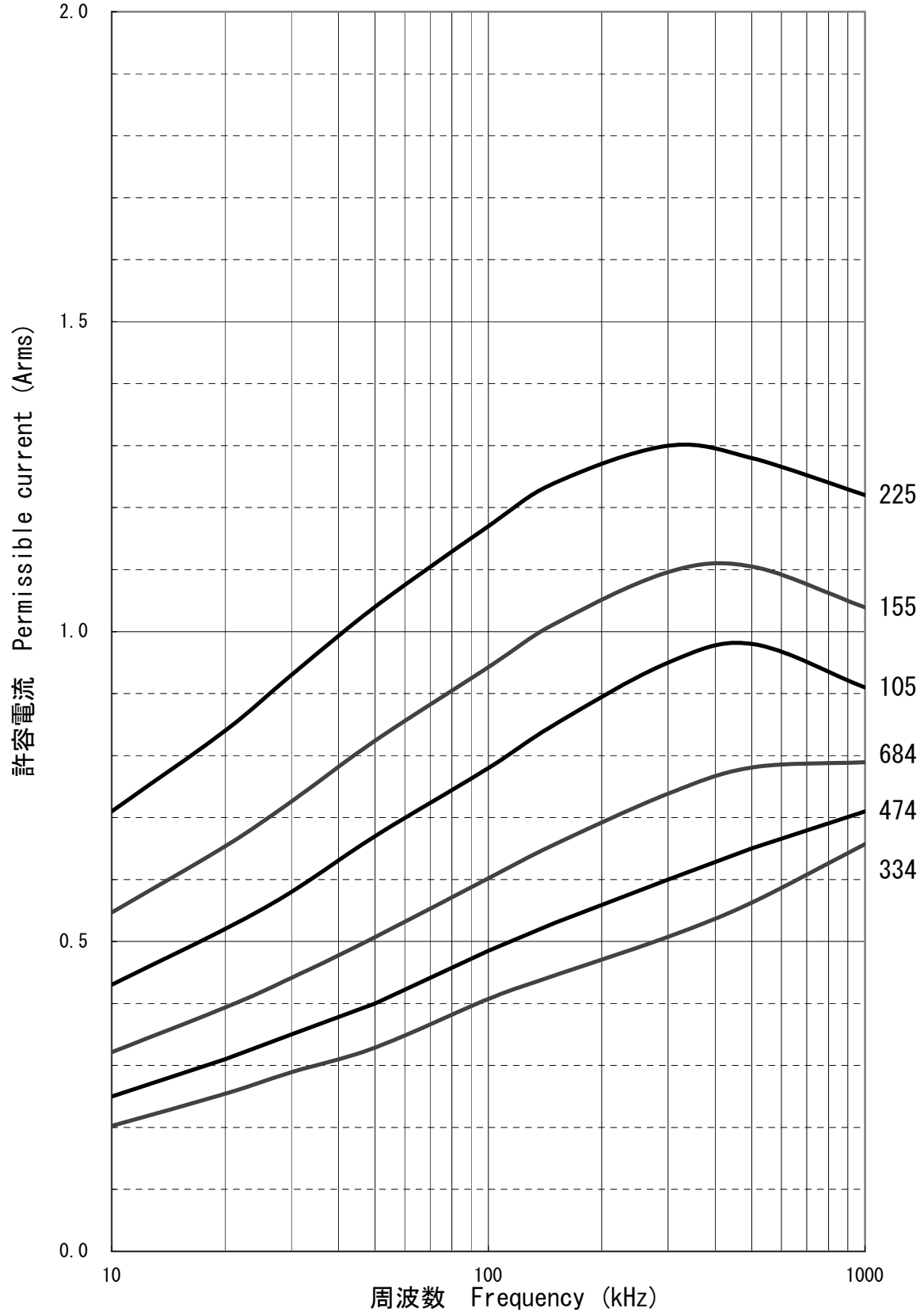
周波数別許容実効電流値
Permissible current vs. Frequency
MDD 5mm Pitch 100VDC



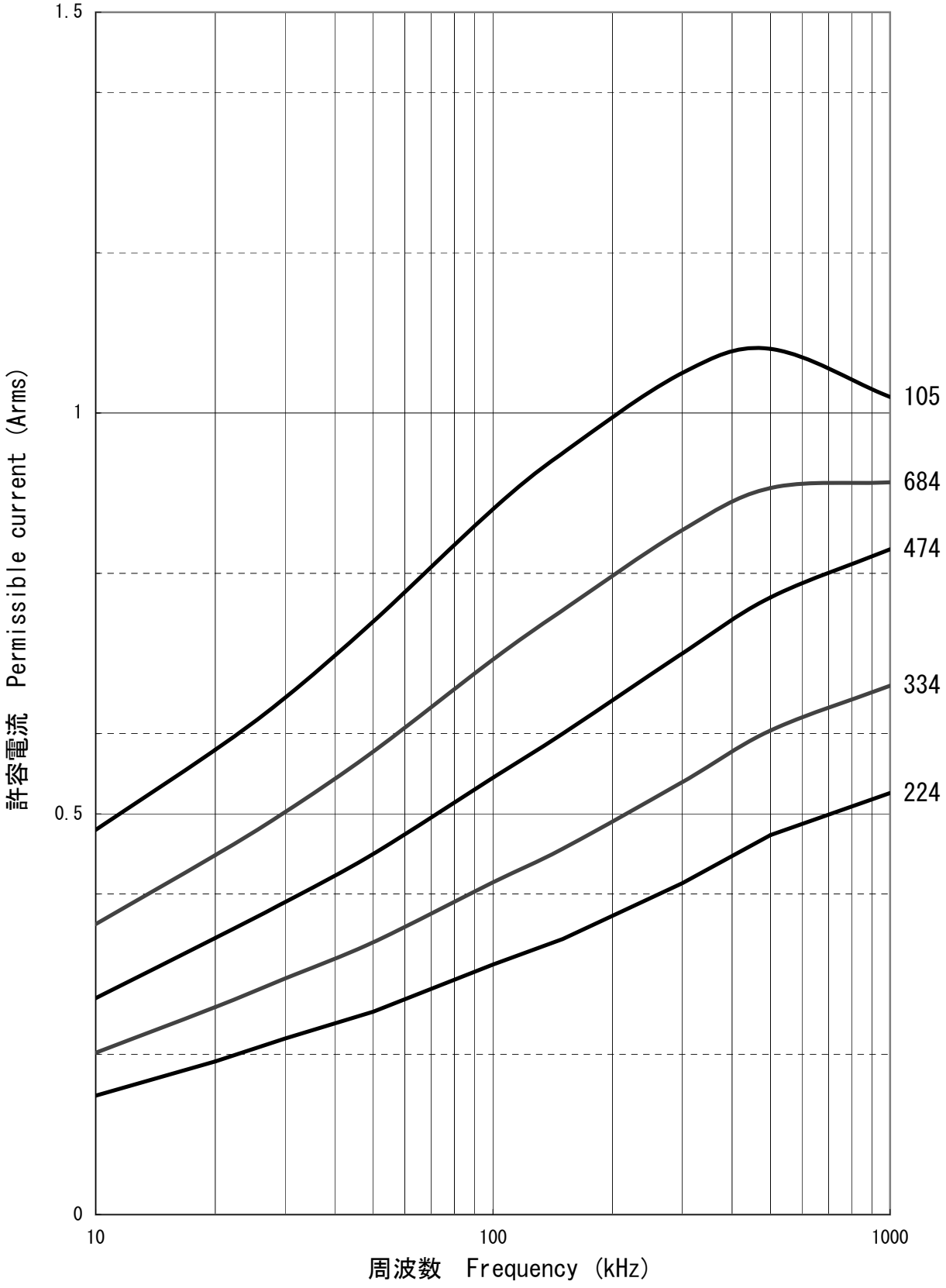
周波数別許容実効電流値
Permissible current vs. Frequency
MDD 5mm Pitch 250VDC



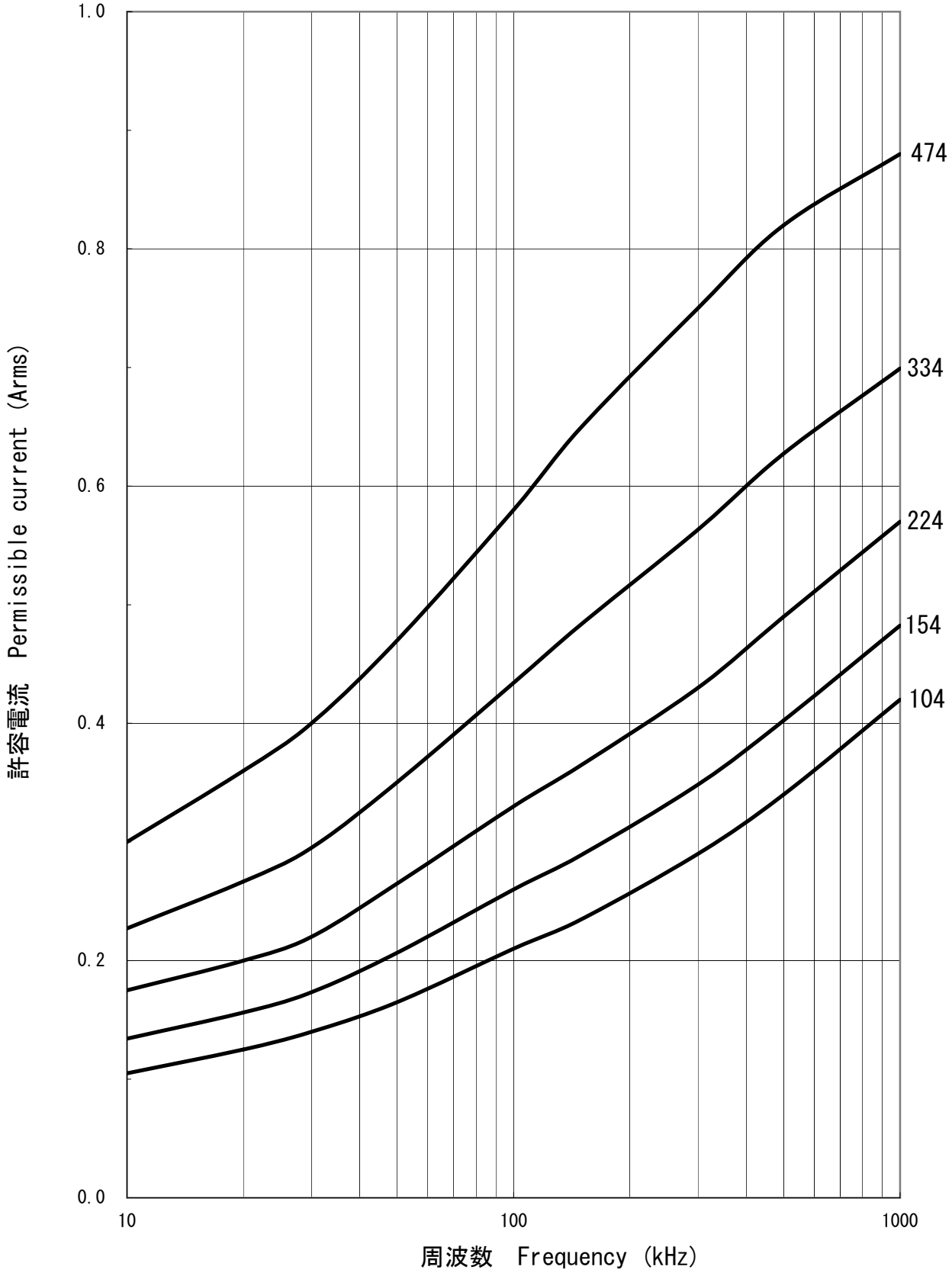
周波数別許容実効電流値
Permissible current vs. Frequency
MDD 7.5mm Pitch 50VDC



周波数別許容実効電流値
Permissible current vs. Frequency
MDD 7.5 Pitch 63VDC



周波数別許容実効電流値
Permissible current vs. Frequency
MDD 7.5mm Pitch 100VDC



周波数別許容実効電流値
Permissible current vs. Frequency
MDD 7.5 Pitch 250VDC

