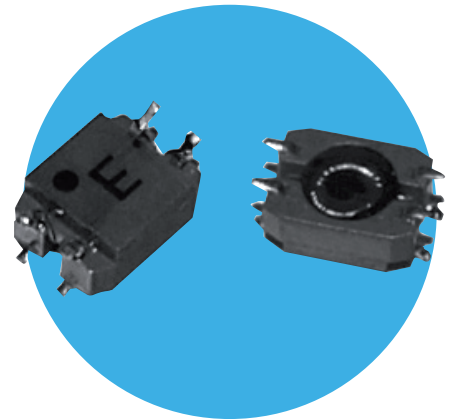


## Surface Mount Common Mode Chokes

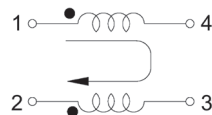
### Model HM67 Series

#### Features

- Operating Temperature Range -40°C to +125°C
- Temperature Rise, Maximum 40°C
- Dielectric Withstanding Voltage 300Vdc
- RoHS Compliant



### Schematics



### Specification

Part Number	Terminals	Common Mode Inductance @100 kHz - 0.1 V (1-4 or 2-3) $\mu$ H	Inductance Leakage @100 kHz - 0.1 Vrms (1-4) <sup>(1)</sup> Typ. $\mu$ H	Rated Current mA	DCR <sup>(2)</sup> Max $\Omega$	Marking Code	Figure
HM67-B5R0LF	1-4, 2-3	5.0 $\pm$ 30%	0.08	1000	0.12	A	1
HM67-B110LF	1-4, 2-3	11.0 $\pm$ 30%	0.10	500	0.15	B	1
HM67-S250LF	1-4, 2-3	25.0 $\pm$ 30%	1.60	500	0.18	C	1
HM67-B510LF	1-4, 2-3	51.0 $\pm$ 30%	1.90	500	0.10	D	1
HM67-S510LF	1-4, 2-3	51.0 $\pm$ 30%	2.80	500	0.25	E	1
HM67-B471LF	1-4, 2-3	470.0 $\pm$ 30%	0.80	500	0.28	F	1
HM67-B102 <sup>(3)</sup> LF	1-4, 2-3	1000.0 +50%, -30%	0.16	500	0.30	G	1
HM67-B222 <sup>(3)</sup> LF	1-4, 2-3	2200.0 +50%, -30%	0.16	400	0.42	H	1
HM67-B472 <sup>(3)</sup> LF	1-4, 2-3	4700.0 +50%, -30%	0.24	200	0.67	I	1
HM67-10510LF	1-4, 2-3	51.0 $\pm$ 30% <sup>(4)</sup>	2.40 <sup>(4)</sup>	200	0.403	0510	2

- Notes: (1) Leakage inductance is measured with pin 2 & 3 shorted.  
 (2) DC resistance is measured at 25°C.  
 (3) Maximum operating temperature is +85°C.  
 (4) Common mode inductance & leakage inductance of HM67-10510LF are measured at 100 kHz, 0.05V

### Packaging

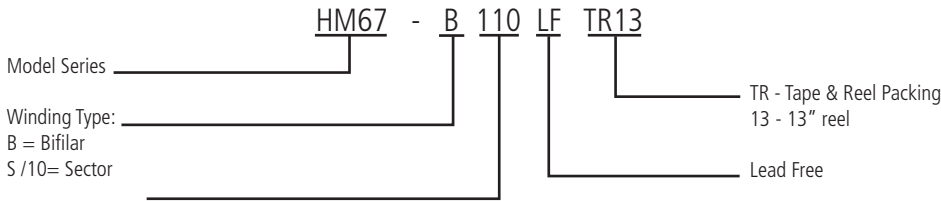
Standard:	Embossed Tape and Reel		
	Reel:	Diameter:	
		Figure 1 & 2	= 13" (330.2mm)
		Capacity:	Figure 1
Figure 2			= 2000 Units

#### General Note

TT Electronics reserves the right to make changes in product specification without notice or liability.  
 All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

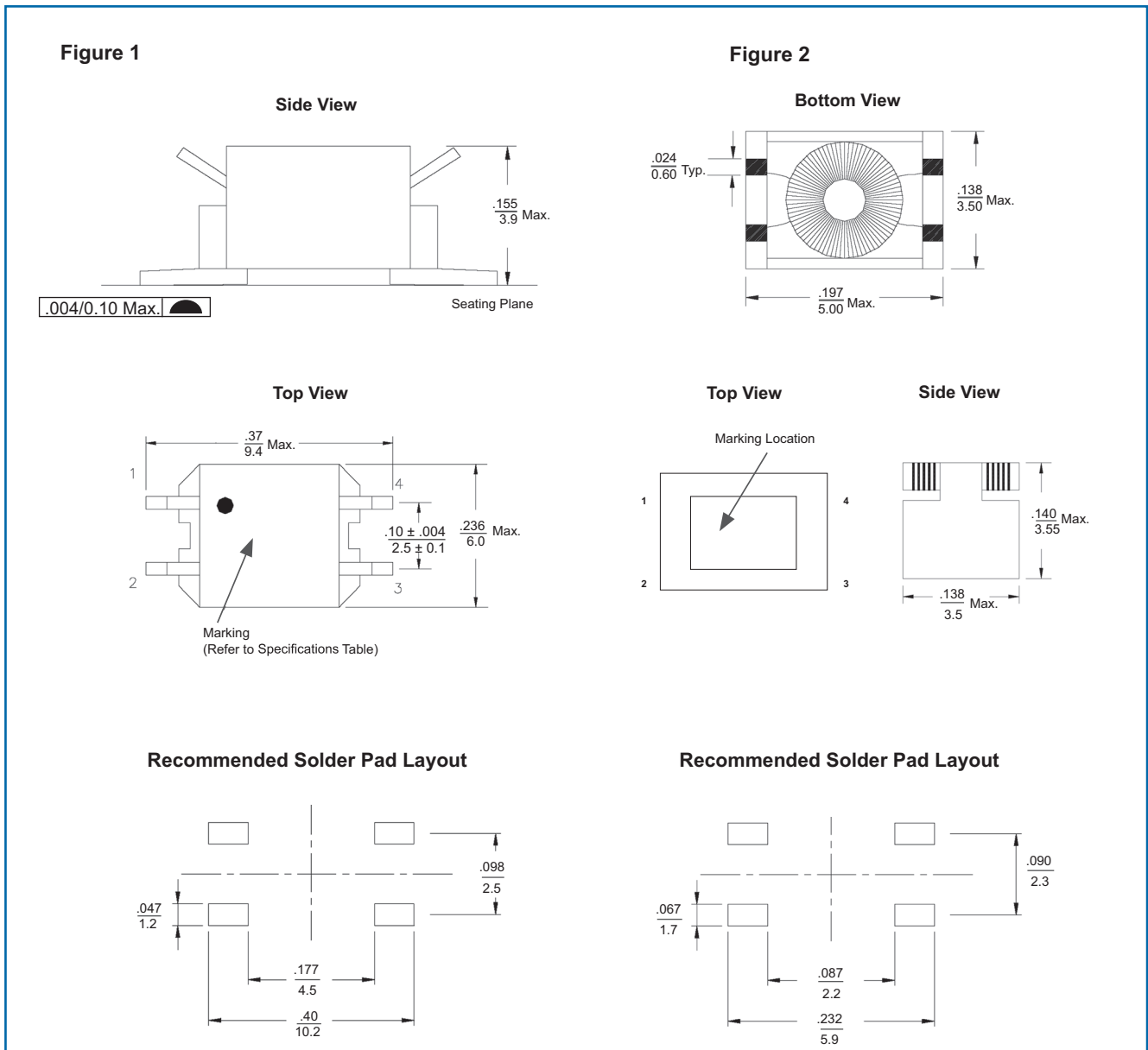
Model HM67 Series

### Ordering Information



Inductance Code:  
 First 2 digits are significant.  
 Last digit denotes the number of trailing zeros.  
 For values below 10µH, "R" denotes the decimal point.

### Outline Dimensions (Inch/mm)



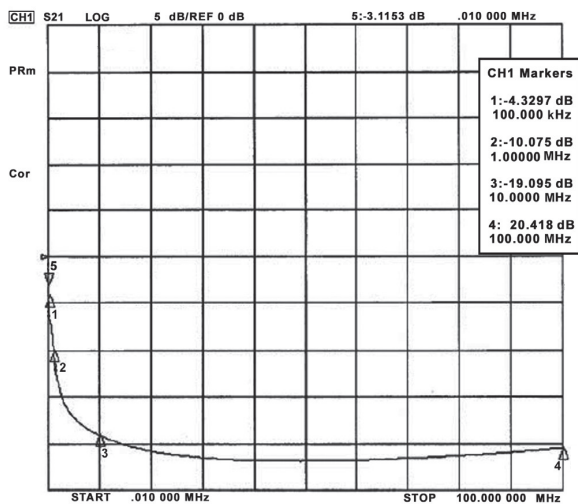
**General Note**

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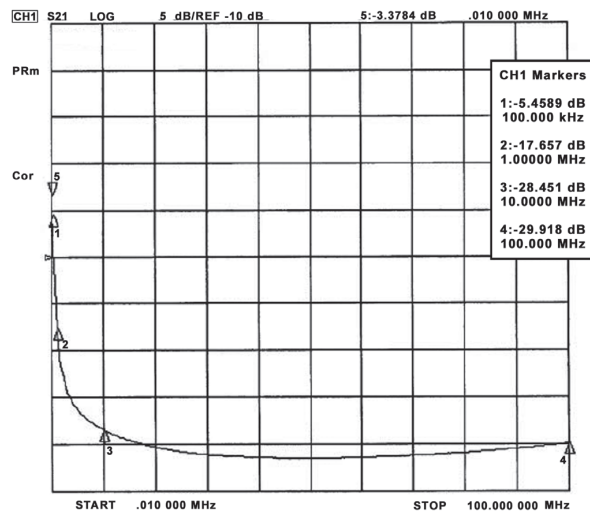
## Electrical Characteristics @ 25°C

(A) Attenuation vs. Frequency Graphs

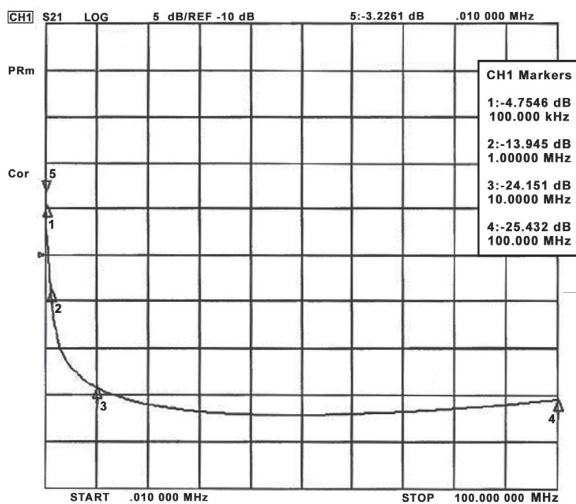
**HM67-B5R0LF**



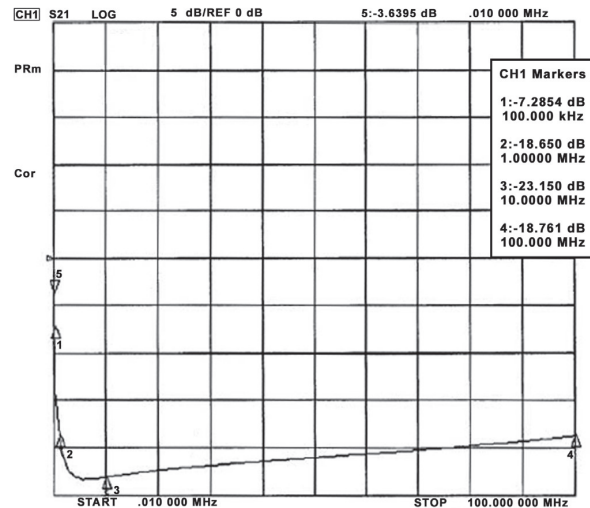
**HM67-S250LF**



**HM67-B110LF**



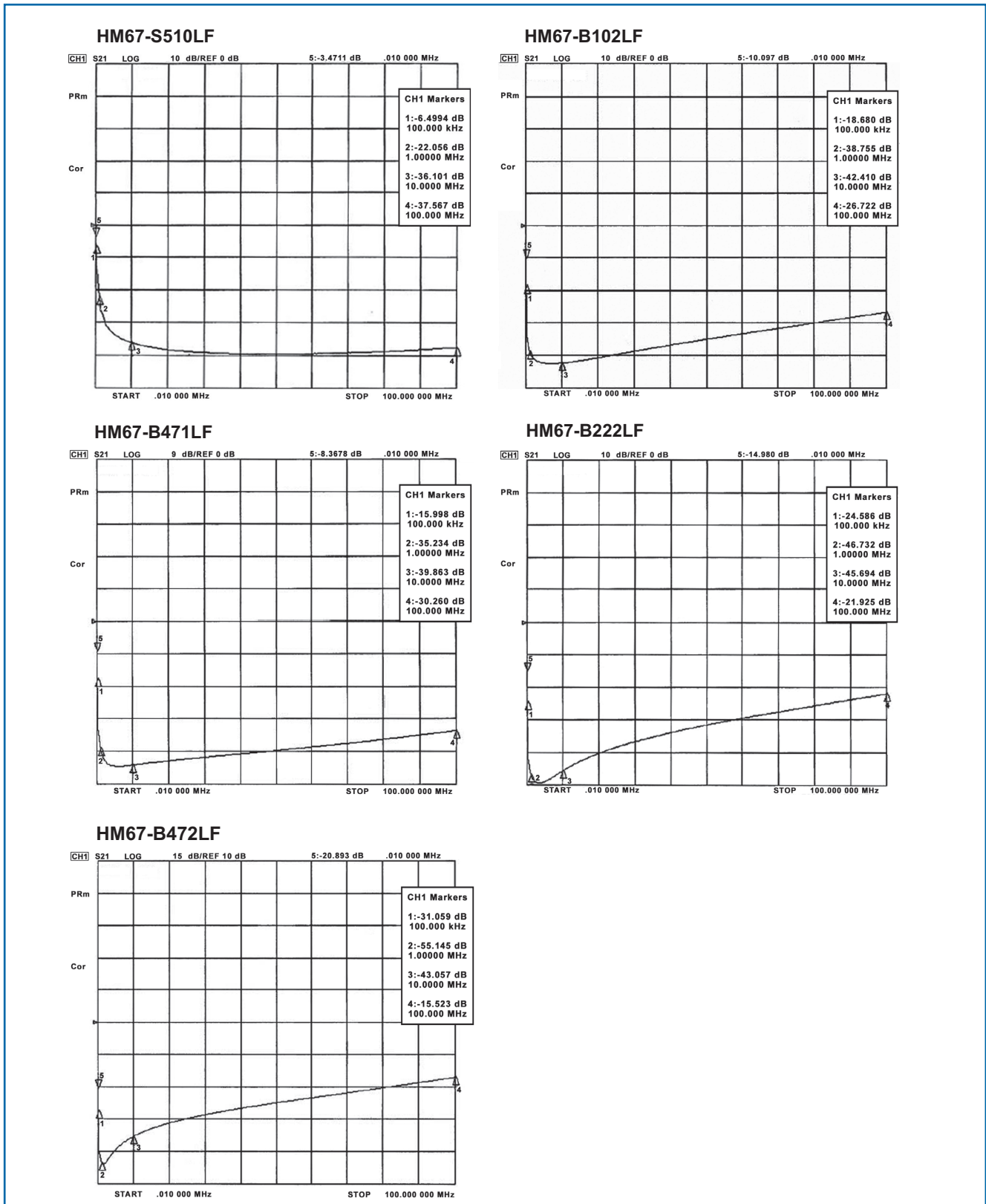
**HM67-B510LF**



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## Electrical Characteristics @ 25°C (Continued)

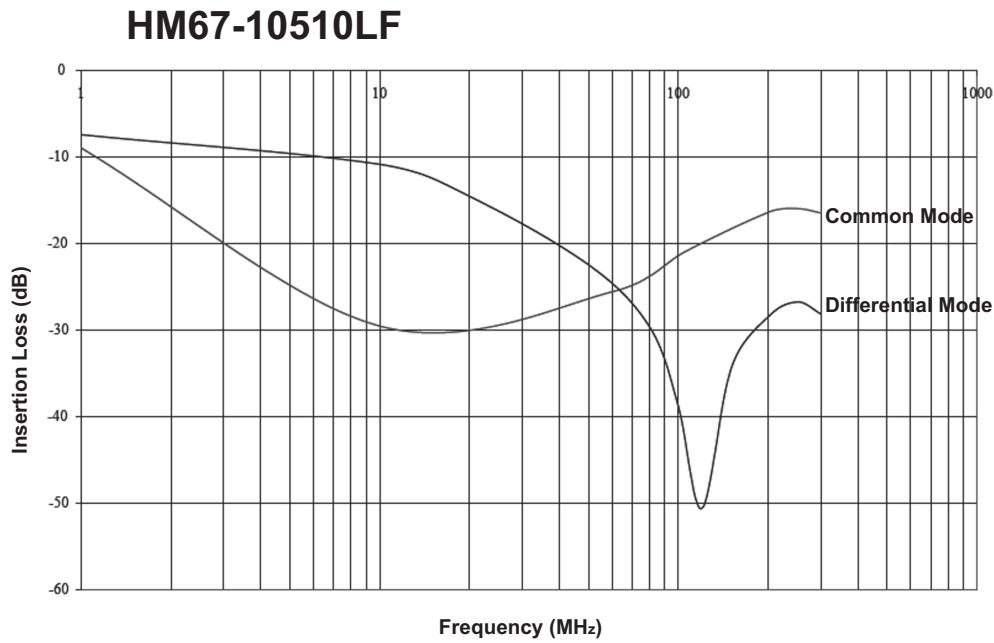


**General Note**

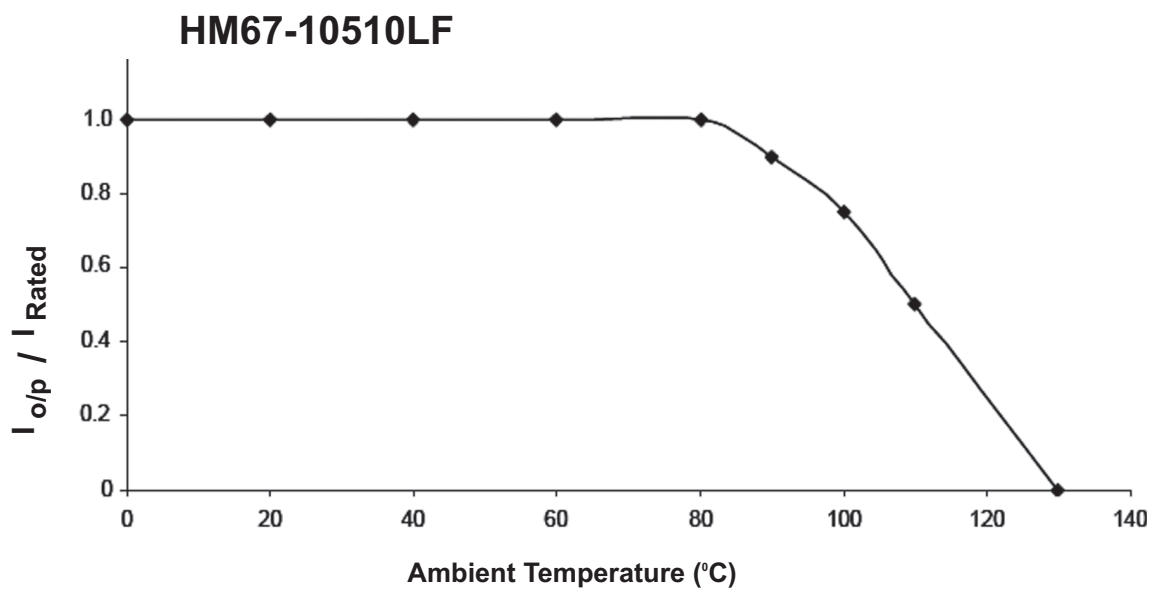
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Electrical Characteristics @ 25°C (Continued)

(B) Insertion Loss vs. Frequency Graph



(C) Current Derating Curve



General Note

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