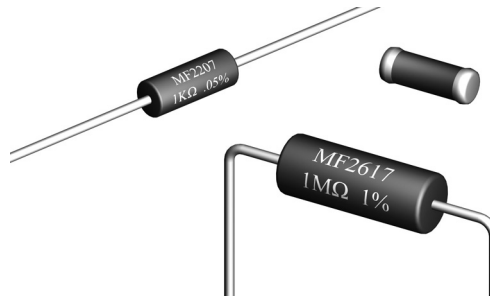


FEATURES

- Resistances from 1 to 10MOhms
- Power Rating 0.4 to 0.65Watts
- Resistance Tolerances to $\pm 0.05\%$
- TCR's to $\pm 3\text{ppm/K}$
- Very Low Inductance
- Matched Sets Available
- E192 Values in Stock

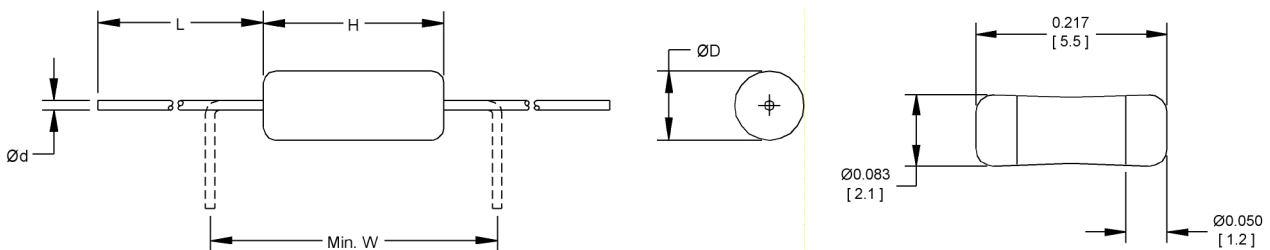


RoHS*
COMPLIANT

TABLE 1 – SPECIFICATIONS

TYPE	MF2000
Resistance Range	1 Ohms to 10MOhms
Tolerances	$\pm 0.05\%$ to $\pm 1\%$
Climatic Category	55/125/56
Max Soldering Temperature	+260°C / 10s
Temperature Coefficient	(See Charts)
Insolation Resistance	>10000 MOhms
Voltage Coefficient	< 5ppm/V
Operating Temperature Range	-25°C to +125°C (TC $\geq 25\text{ppm/K}$) -10°C to +85°C (TC < 25ppm/K)

Type	Power Rating Watts @ 70°C	Resistance Range (Ω)	Maximum Voltage	H _(MAX)	D _(MAX)	d $\pm 0.002''$ [$\pm 0.05\text{mm}$]	L _(MIN)	W _(MIN)	RN Size
MFM2207	0.40	1 to 5M	300	(See MFM2207 Drawing)					-
MF2207	0.40	1 to 10M	300	0.260 [6.5]	0.100 [2.5]	0.028 [0.7]	1.20 [30]	0.300 [7.5]	RN55
MF2617	0.65	3 to 10M	500	0.600 [15.2]	0.230 [5.8]	0.032 [0.8]	1.20 [30]	0.690 [17.5]	RN65



ORDERING INFORMATION

Part Number - Resistance - Tolerance - TCR

MF2207 1.1 kOhm 0.05% 5ppm
(Note: If no TCR is specified / the highest value will be supplied)

TABLE 1 – SPECIFICATIONS (continued)

MF2207 TCR / Tolerance / Resistance Chart

TCR (± ppm/K)	Resistances Available at These Tolerances				
	±0.05%	±0.1%	±0.25%	±0.5%	±1%
5	50 - 250K	10 - 500K	10 - 500K	10 - 500K	-
10	50 - 510K	5 - 1M	5 - 1M	5 - 1M	-
15	50 - 510K	5 - 1.5M	5 - 1.5M	5 - 2M	1 - 2M
25	50 - 510K	5 - 1.5M	5 - 3M	2 - 5M	1 - 5M
50	50 - 510K	5 - 2M	3 - 3M	2 - 5M	1 - 5M

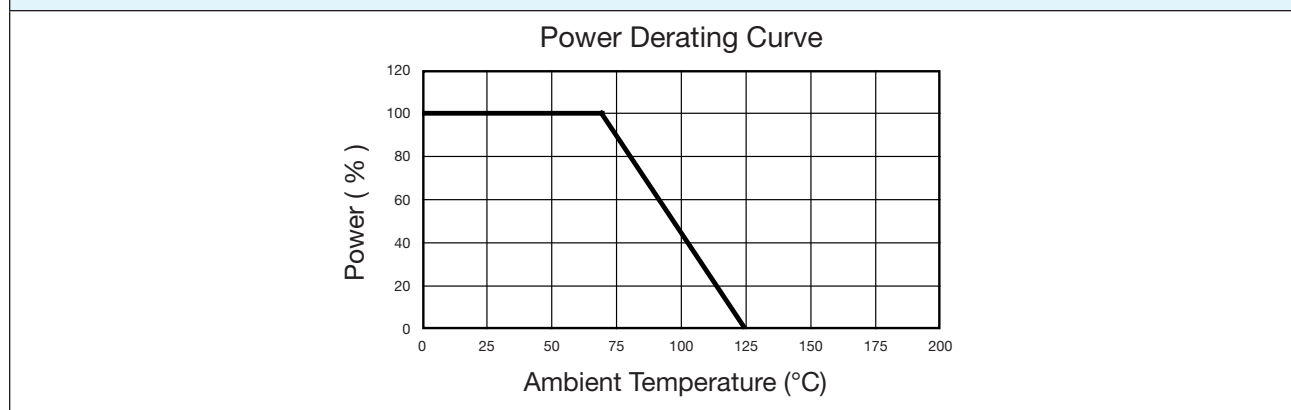
MF2207 TCR / Tolerance / Resistance Chart

TCR (± ppm/K)	Resistances Available at These Tolerances				
	±0.05%	±0.1%	±0.25%	±0.5%	±1%
3	50 - 120K	30 - 200K	30 - 200K	30 - 200K	-
5	50 - 250K	10 - 500K	10 - 500K	10 - 500K	-
10	50 - 510K	5 - 1M	50 - 1M	50 - 1M	-
15	50 - 510K	5 - 1.5M	5 - 2M	5 - 2M	1 - 2M
25	50 - 510K	5 - 3M	2 - 3M	2 - 5M	1 - 5M
50	50 - 510K	5 - 3M	2 - 3M	2 - 10M	1 - 10M

MF2617 TCR / Tolerance / Resistance Chart

TCR (± ppm/K)	Resistances Available at These Tolerances				
	±0.05%	±0.1%	±0.25%	±0.5%	±1%
10	240 - 250K	100 - 250K	50 - 250K	20 - 510K	20 - 510K
15	240 - 250K	100 - 250K	50 - 250K	20 - 510K	20 - 510K
25	240 - 510K	100 - 1M	50 - 2M	20 - 5M	10 - 5M
50	100 - 510K	50 - 10M	10 - 10M	5 - 10M	3 - 10M

FIGURE 1 – DERATING





Disclaimer

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Vishay Precision Group, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "VPG"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

The product specifications do not expand or otherwise modify VPG's terms and conditions of purchase, including but not limited to, the warranty expressed therein.

VPG makes no warranty, representation or guarantee other than as set forth in the terms and conditions of purchase. **To the maximum extent permitted by applicable law, VPG disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.**

Information provided in datasheets and/or specifications may vary from actual results in different applications and performance may vary over time. Statements regarding the suitability of products for certain types of applications are based on VPG's knowledge of typical requirements that are often placed on VPG products. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. You should ensure you have the current version of the relevant information by contacting VPG prior to performing installation or use of the product, such as on our website at vpgsensors.com.

No license, express, implied, or otherwise, to any intellectual property rights is granted by this document, or by any conduct of VPG.

The products shown herein are not designed for use in life-saving or life-sustaining applications unless otherwise expressly indicated. Customers using or selling VPG products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify VPG for any damages arising or resulting from such use or sale. Please contact authorized VPG personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.

Copyright Vishay Precision Group, Inc., 2014. All rights reserved.