Ceramic Stand-Off Insulators for RF-Equipment

FEATURES

- Application in HF equipment
- High flashover voltage
- High compressive load
- Different thread sizes available

MATERIAL

Stand-off insulator elements made from Class 1 ceramic material (C 221-IEC 60672-3), body completely glazed.

Connection terminals: Brass

MARKING

None

OPERATING CONDITIONS

Maximum Operating Temperature: + 100 °C

Maximum Compressive Load: 5.0 kN (for 4040/6)
20.0 kN (for 5058/6)

Maximum Reactive Current: 1 A_{RMS} (for 4040/6)
3 A_{RMS} (for 5058/6)

QUICK REFERENCE DATA		
DESCRIPTION	**VALUE**	
Ceramic Class	1	
Ceramic Dielectric	R7	
Type	Stand-off Insulator 4040/6, 5058/6	
Voltage (V_{RMS})	4000	12 000
Min. Capacitance (pF)	1.6	1.0
Max. Capacitance (pF)	1.6	1.0
Mounting	Screw terminal	

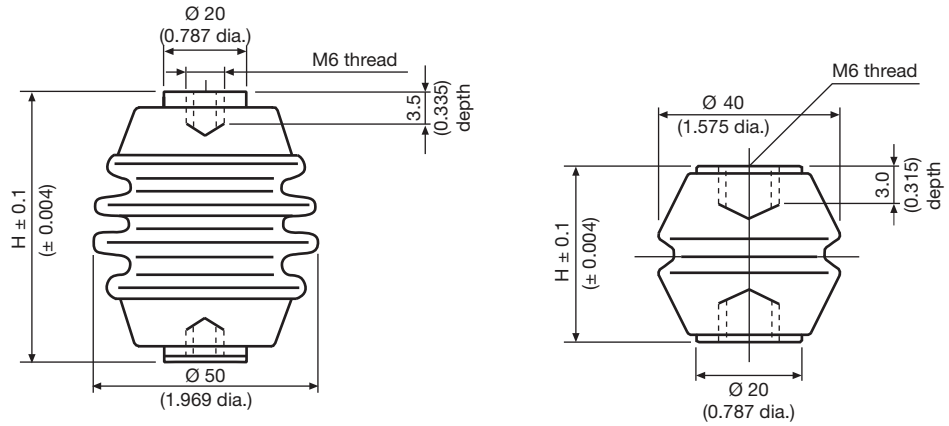
SAP PART NUMBER, ELECTRICAL, AND DIMENSIONAL DATA

PART NUMBER	CERAMIC	CAPACITANCE VALUES (pF)	FLASHOVER VOLTAGE AT 50 Hz, 60 % REL. AIR HUMIDITY (kV_{RMS})	OPERATING VOLTAGE (kV_{RMS})	DIMENSIONS H mm (INCHES)	DISSIPATION FACTOR
ISOLATOR4040M#1	R7	1.6	24	4.0 max.	40 (1.575)	Max. 0.05 % (1 MHz)
ISOLATOR5058M#1		1.0	35	12.0 max.	58 (2.283)	

Note

- # indicator of thread size, “6” = M6 (standard), other metric sizes as well as US standard threads are available on request

DIMENSIONS in millimeters (inches)



Disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, “Vishay”), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Vishay makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, Vishay 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.

Statements regarding the suitability of products for certain types of applications are based on Vishay’s knowledge of typical requirements that are often placed on Vishay products in generic applications. Such statements are not binding statements about the suitability of products for a particular application. 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. Parameters provided in datasheets and/or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer’s technical experts. Product specifications do not expand or otherwise modify Vishay’s terms and conditions of purchase, including but not limited to the warranty expressed therein.

Except as expressly indicated in writing, Vishay products are not designed for use in medical, life-saving, or life-sustaining applications or for any other application in which the failure of the Vishay product could result in personal injury or death. Customers using or selling Vishay products not expressly indicated for use in such applications do so at their own risk. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay. Product names and markings noted herein may be trademarks of their respective owners.

Material Category Policy

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as RoHS-Compliant fulfill the definitions and restrictions defined under Directive 2011/65/EU of The European Parliament and of the Council of June 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (EEE) - recast, unless otherwise specified as non-compliant.

Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as Halogen-Free follow Halogen-Free requirements as per JEDEC JS709A standards. Please note that some Vishay documentation may still make reference to the IEC 61249-2-21 definition. We confirm that all the products identified as being compliant to IEC 61249-2-21 conform to JEDEC JS709A standards.