



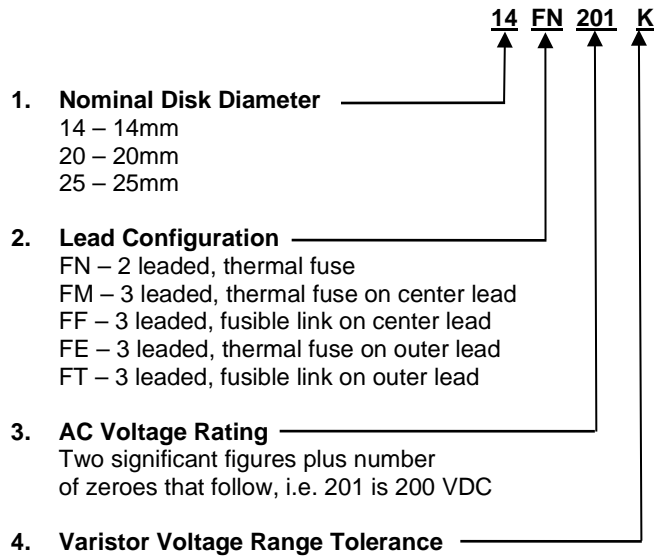
INTRODUCTION

The Thermally Protected Series is designed for safe disconnection of the varistor from the circuit due to abnormal operating conditions. These components consist of 2 or 3 leaded wire leads, a thermal disconnect (FN, FM, FN), and have nominal diameters of 14mm, 20mm, and 25mm. Fusible link designs (FF, FT) are also available.

STYLE DESIGNATION

The Maida Style Number is the typical means to identify our components when ordered. The style number identifies several parameters that are important for the characteristics of the device. An alternative ordering method, if known, is by our Item Number.

The following example is the standard part numbering system when ordering our Thermally Protected Series components by the Maida Style Number:



STANDARD MARKING

Minimum marking shall consist of an abbreviated style designation and, when space is available, the manufacturer's initials or company logo.

Example:

MDC

FV

14N201

Where:

MDC - Company Initials

FV - Fail safe Varistor

14 - Diameter

N - Series (FN, FM, FE, FF, FT)

201 - Nominal DC Voltage Rating (200VDC)

A manufacturing date code and/or special markings are available upon request.

Other safety agency designations are included where applicable.

THERMALLY PROTECTED SERIES

ELECTRICAL SPECIFICATIONS

Maida Style Number	Recognitions To Safety Agency Standards						Nominal Size (mm)	Minimum Marking	Maximum Ratings						Electrical Characteristics				
									Continuous		Transient				Varistor Voltage @ 1 mA DC		Max Clamping Voltage (@Test Current)		Typical Cap.
									Applied Voltage		Energy		Peak Current						
											10 x 1000 μsec	8 x 20 μsec	8 x 20 μsec # Pulses						
									(AC)	(DC)	(J)	(J)	1	2	Vmin	Vmax	(8 x 20 μsec)		1 V rms @ 1kHz
(A)	(B)	(C)	(D)	(E)	(F)	(mm)		(AC)	(DC)	(J)	(J)	(A)	(A)	(V)	(V)	(V)	(A)	(pF)	
14FE122K							14	MDC-FV-14E122K	750	990	310	310	6000	4500	1080	1320	1980	50	150
14FM122K							14	MDC-FV-14M122K	750	990	310	310	6000	4500	1080	1320	1980	50	150
14FN122K							14	MDC-FV-14N122K	750	990	310	310	6000	4500	1080	1320	1980	50	150
20FE122K							20	MDC-FV-20E122K	750	990	650	650	10000	6000	1080	1320	1980	100	320
20FM122K							20	MDC-FV-20M122K	750	990	650	650	10000	6000	1080	1320	1980	100	320
20FN122K							20	MDC-FV-20N122K	750	990	650	650	10000	6000	1080	1320	1980	100	320
25FE122K							25	MDC-FV-25E122K	750	990	840	840	15000	12000	1080	1320	1980	150	550
25FM122K							25	MDC-FV-25M122K	750	990	840	840	15000	12000	1080	1320	1980	150	550
25FN122K							25	MDC-FV-25N122K	750	990	840	840	15000	12000	1080	1320	1980	150	550

A = UL1449

D = VDE

B = cUL

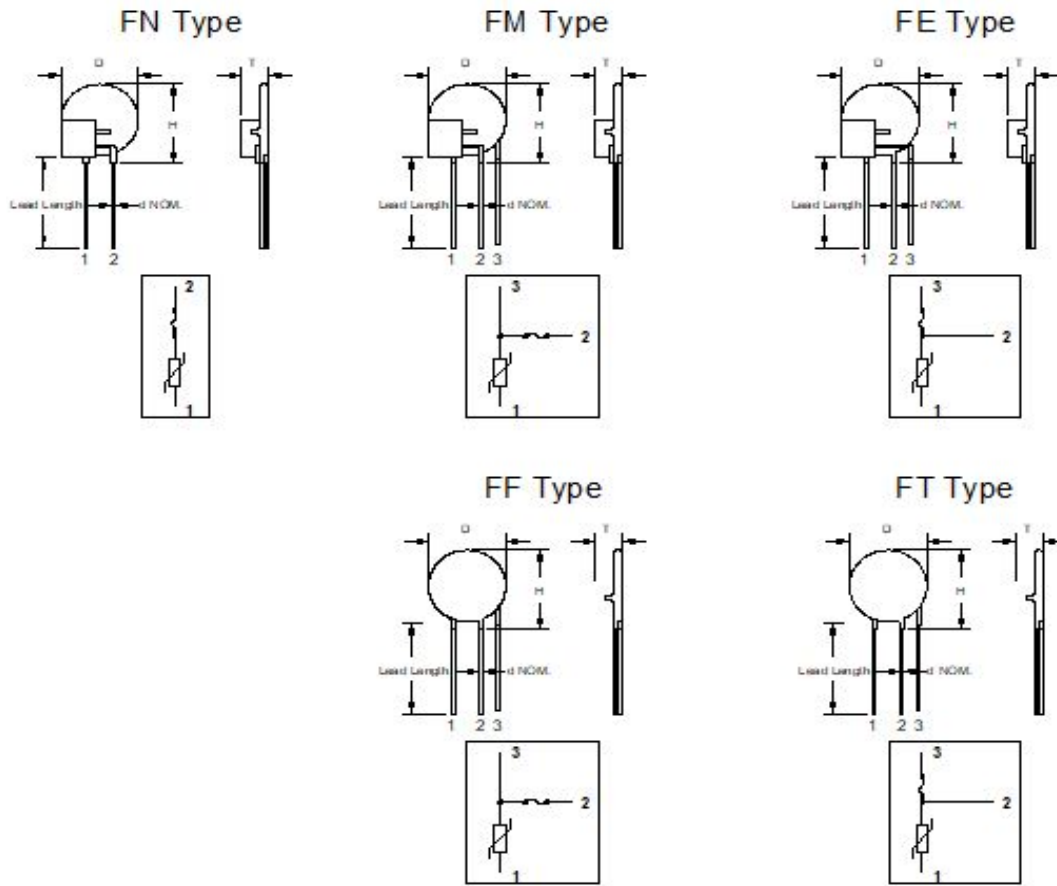
E = DEMKO

C = CSA

F =

THERMALLY PROTECTED SERIES

MECHANICAL SPECIFICATIONS



Dimension	14mm	20mm	25mm
MAX. D	0.763"	0.945"	1.142"
MAX. T	0.386" - 0.709"	0.386" - 0.709"	0.386" - 0.709"
MAX. H	0.888"	1.050"	1.267"
TYP. X	0.295"/0.492"	0.295"/0.492"	0.295"/0.492"
TYP. d	0.032"	0.032"	0.040"

NOTES:

1. Alternate dimensional specifications, including lead styles, for any part listed may be available upon request.
2. Specifications are subject to change. Contact Maida for specific datasheet for exact dimensions.