Applications

Customer Premise Equipment (CPE):

- Modems
- Cable modems
- Fax machines
- POS equipment
- Security equipment
- Set top boxes

MF-R/600 Series - Telecom PTC Resettable Fuses

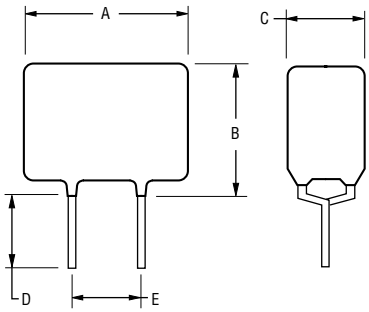
BOURNS®

Product Dimensions

Model	A Max.	B Max.	C Max.	D Min.	E Nom.	Physical Characteristics		
						Style	Lead Dia.	Material
MF-R015/600	13.5 (0.531)	12.6 (0.496)	6.0 (0.236)	4.7 (0.185)	5.0 (0.197)	1	0.65 (0.026)	Sn/Cu
MF-R016/600	16.0 (0.629)	12.6 (0.496)	6.0 (0.236)	4.7 (0.185)	5.0 (0.197)	1	0.65 (0.026)	Sn/Cu

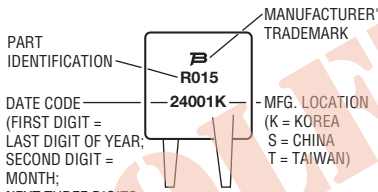
Packaging options: BULK: 300 pcs. per bag. TAPE & REEL: 600 pcs. per reel.
Longer lead lengths available upon request.

DIMENSIONS: MM (INCHES)



Typical Part Marking

Represents total content. Layout may vary.



How to Order

MF - R 015/600 - A 05 - 2

Multifuse® Product Designator

Series
R = Radial Leaded Component

Hold Current, Ihold
015-016 (0.15 - 0.16 Amps)

Max. Interrupt Voltage, V

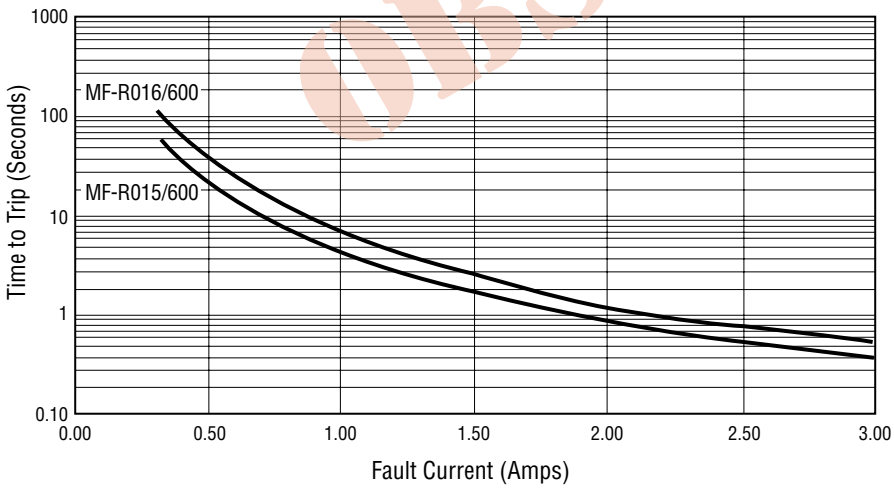
Resistance Range
- Narrow resistance ranges are available on all models as defined in Electrical Characteristics.
- Blank = N/A

Resistance Bins
- Narrow resistance ranges can be separated into packages where each device is within 0.5 ohms of each other.
- Blank = N/A

Packaging Options
- 0 = Bulk Packaging
- 2 = Tape and Reel*

*Packaged per EIA486-B

Typical Time to Trip at 23 °C



Resistance Options

Model	Rmin.	Rmax.	R1Max.	Bin
MF-R015/600	6.0	12.0	22.0	N/A
MF-R015/600-A	7.0	10.0	20.0	0.5
MF-R015/600-B	9.0	12.0	22.0	0.5
MF-R015/600-F	7.0	12.0	22.0	0.5
MF-R016/600	4.0	10.0	18.0	N/A
MF-R016/600-A	4.0	7.0	16.0	0.5
MF-R016/600-1	4.0	8.0	17.0	0.5

MF-R, MF-R/90, MF-R/600, & MF-RX, & MF-RX/72 Series
Tape and Reel Specifications

BOURNS®

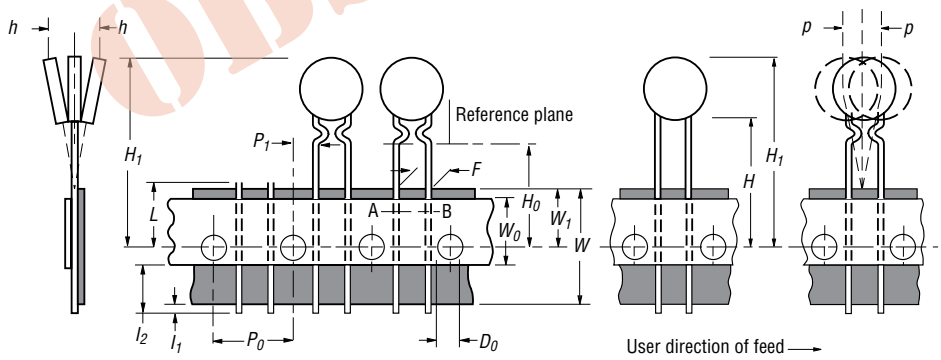
Devices taped using EIA468–B/IEC286-2 standards. See table below and Figures 1 and 2 for details.

Dimension Description	IEC Mark	EIA Mark	Dimensions	
			Dimensions	Tolerance
Carrier tape width	W	W	18 (.709)	-0.5/+1.0 (-0.02/+.039)
Hold down tape width	W_0	W_4	11 (.433)	min.
Hold down tape			No protrusion	
Top distance between tape edges	W_2	W_6	3 (.118)	max.
Sprocket hole position	W_1	W_5	9 (.354)	-0.5/+0.75 (-0.02/+0.03)
Sprocket hole diameter	D_0	D_0	4 (.157)	±0.2 (±.0078)
Abscissa to plane (straight lead)	H	H	18.5 (.728)	±3.0 (±.118)
Abscissa to plane (kinked lead)	H_0	H_0	16 (.63)	±0.5 (±.02)
Abscissa to top (straight lead)	H_1	H_1	38.0 (1.496)	max.
Abscissa to top (kinked lead)	H_1	H_1	32.2 (1.268)	max.
Overall width w/lead protrusion (straight lead)		C_1	55.0 (2.165)	max.
Overall width w/lead protrusion (kinked lead)		C_1	43.2 (1.7)	max.
Overall width w/o lead protrusion (straight lead)		C_2	54.0 (2.126)	max.
Overall width w/o lead protrusion (kinked lead)		C_2	42.5 (1.673)	max.
Lead protrusion	l_1	L_1	1.0 (.039)	max.
Protrusion of cutout	L	L	11 (.433)	max.
Protrusion beyond hold-down tape	l_2	l_2	Not specified	
Sprocket hole pitch	P_0	P_0	12.7 (0.5)	±0.3 (±.012)
Pitch tolerance			20 consecutive	±1 (±.039)
Device pitch: MF-R005–MF-R160, MF-R/90, MF-RX020/72–MF-RX030/72			12.7 (0.5)	±0.3 (±.012)
Device pitch: MF-R185–MF-R400, MF-R/600, MF-RX110–MF-RX375 MF-RX040/72–MF-RX375/72			25.4 (1.0)	±0.6 (±.024)
Tape thickness	t	t	0.9 (.035)	max.
Tape thickness with splice: MF-R010–MF-R160, MF-RX110/72–MF-RX185/72		t_1	1.5 (.059)	max.
Tape thickness with splice: MF-R250–MF-R1100, MF-RX110–MF-RX375, MF-R/90, MF-RX250/72-MF-RX375/72		t_1	2.3 (.091)	max.
Splice sprocket hole alignment			0	±0.3 (±.012)
Body lateral deviation	Δh	Δh	0	±1.0 (±.039)
Body tape plane deviation	Δp	Δp	0	±1.3 (±.051)

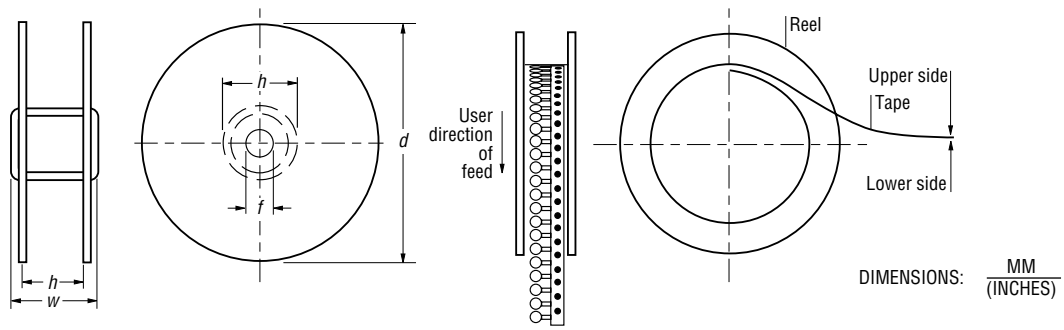
DIMENSIONS: MM (INCHES)

Dimension Description	IEC Mark	EIA Mark	Dimensions			Tolerance
Lead spacing: MF-R, MF-R/90, MF-R/600, MF-RX, MF-RX/72	*F*	*F*	5.08 (0.2)			±0.2 (±0.008)
Reel width	*w*	W_2	56.0 (2.205)			max.
Reel diameter	*d*	*a*	370.0 (14.57)			max.
Space between flanges less device	W_1	*h*	4.75 (.187)			±3.25 (±.128)
Arbor hole diameter	*f*	*c*	26.0 (1.024)			±12.0 (±.472)
Core diameter: MF-R, MF-RX, MF-R/90	*h*	*n*	80 (3.15)			max.
Core diameter: MF-R/600	*h*	*n*	91 (3.58)			max.
Box: MF-R, MF-RX, MF-R/90			62 (2.44)	355 (14.0)	345 (13.6)	nom.
Box: MF-R/600			64 (2.52)	372 (14.6)	362 (14.25)	max.
Consecutive missing places: MF-R, MF-RX, MF-R/90			3			max.
Consecutive missing places: MF-R/600			none			
Empty places per reel: MF-R, MF-RX, MF-R/90			Not specified			
Empty places per reel: MF-R/600			0.1 %			

Taped Component Dimensions - Figure 1



Reel Dimensions - Figure 2



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