Central™
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Manufacturers of World Class Discrete Semiconductors

3N247-M SERIES
3N254-M SERIES

SILICON BRIDGE RECTIFIER

CASE B-M

DESCRIPTION

The CENTRAL SEMICONDUCTOR 3N247-M, 3N254-M series types are silicon single phase full wave bridge rectifiers designed for general purpose applications.

MAXIMUM RATINGS (T_A=25°C unless otherwise noted)

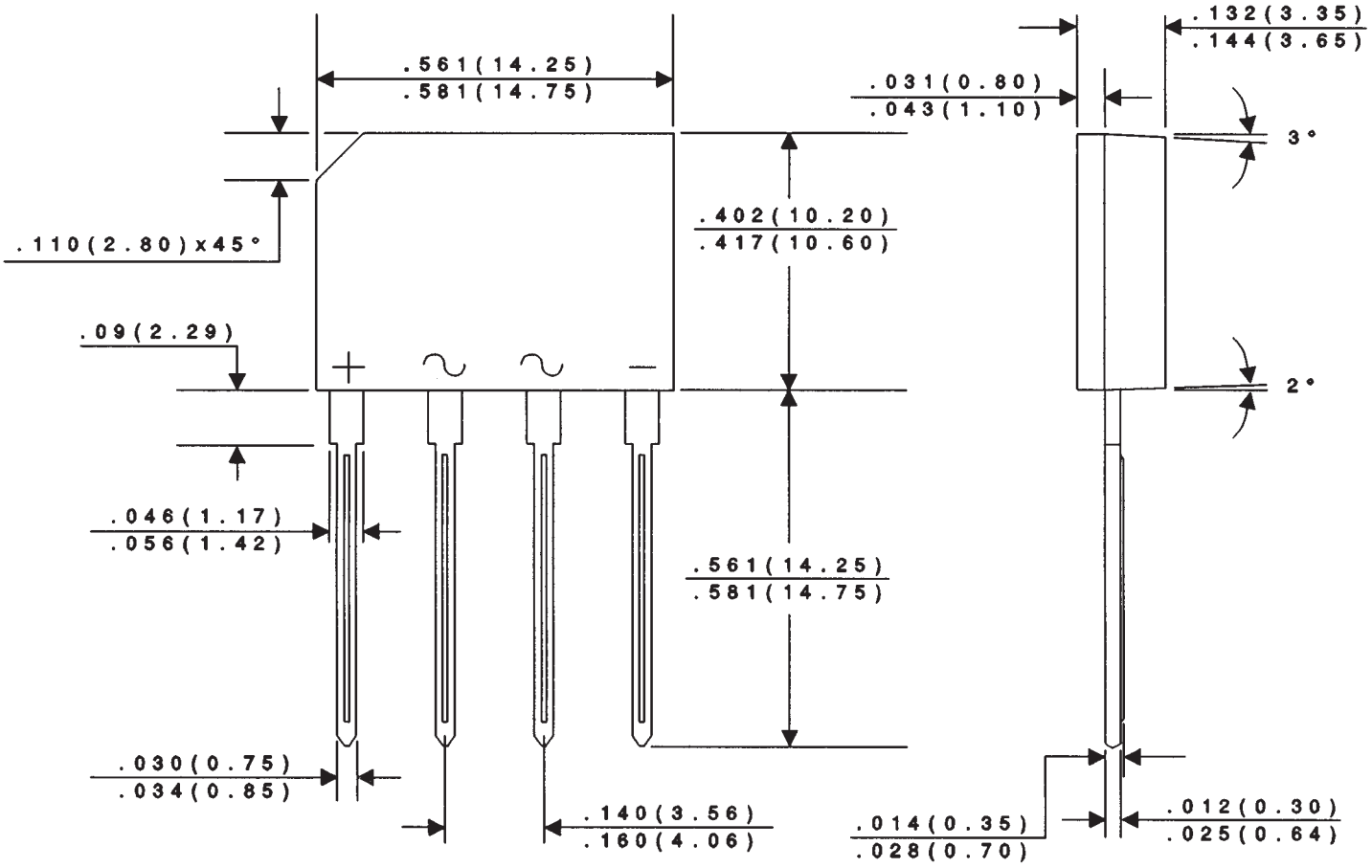
	SYMBOL	3N 247-M 3N 254-M	3N 248-M 3N 255-M	3N 249-M 3N 256-M	3N 250-M 3N 257-M	3N 251-M 3N 258-M	3N 252-M 3N 259-M	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	100	200	400	600	800	1000	V
DC Blocking Voltage	V_R	100	200	400	600	800	1000	V
RMS Reverse Voltage	$V_{R(RMS)}$	70	140	280	420	560	700	V
Average Forward Current (3N247-M Series @ T_A=75°C)	I_O			1.5				A
Average Forward Current (3N254-M Series @ T_A=55°C)	I_O			2.0				A
Peak Forward Surge Current (3N247-M Series)	I_{FSM}				30			A
Peak Forward Surge Current (3N254-M Series)	I_{FSM}				55			A
Operating and Storage Junction Temperature	T_J,T_{stg}				-65 to +150			°C

ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
V_F	I_F=3.14A (3N247-M Series)		1.3	V
V_F	I_F=3.14A (3N254-M Series)		1.1	V
I_R	V_R=Rated V_{RRM}		10	μA

(OVER)

CASE B-M - MECHANICAL OUTLINE



All Dimensions in Inches (mm).

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