- UL recognition, file #E313149
- Glass passivated chip junction
- Ideal for automated placement
- High surge current capability
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C

General purpose use in AC/DC bridge full wave rectification for SMPS, lighting ballaster, adapter, battery charger, home appliances, office equipment, and telecommunication applications.

- : YBS3
  Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, Halogen-free
- : Tin plated leads, solderable per J-STD-002 and JESD22-B102
- As marked on body

■ (T_a=25 Unless otherwise specified

Device marking code			RYBSM6010
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	V	1000
Maximum RMS Voltage	V_{RMS}	V	700
Maximum DC blocking Voltage	V_{DC}	V	1000
Average rectified output current @60Hz sine wave, R-load, Tc=60	I_O	A	6.0
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25	I_{FSM}	A	150
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			300
Current squared time @1ms≤t≤8.3ms Tj=25 Rating of per diode	I^2t	A^2s	93.4
Storage temperature	T_{stg}		-55 ~ +150
Junction temperature	T_j		-55 ~ +150

■ T_a=25 Unless otherwise specified

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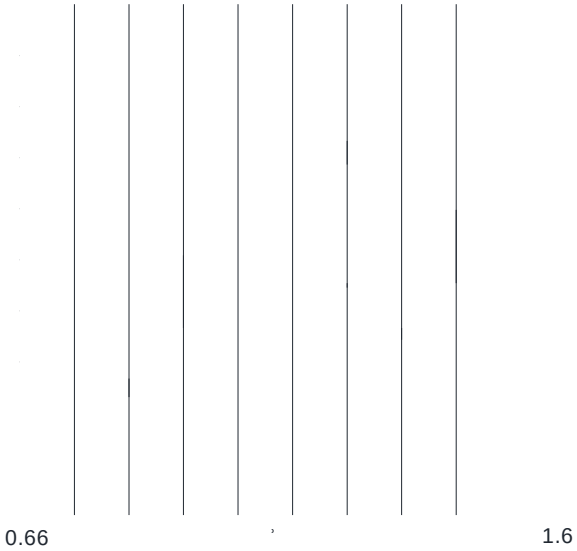
Typical Thermal Resistance	Between Junction and Ambient	$R_{\theta J-A}$	/W	55
	Between Junction and Lead	$R_{\theta J-L}$		14
	Between Junction and Case	$R_{\theta J-C}$		8

Note: Device mounted on P.C.B with 35mm*25mm*1.7mm.

■ (Example)

RYBSM6010	F1	Approximate 0.36	1800	3600	25200	13'' Reel

■ (Typical)



■

A	10.00	10.40
B	9.70	10.10

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability an