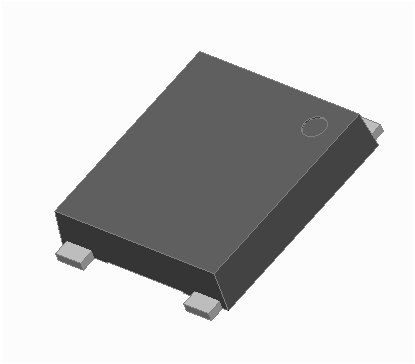
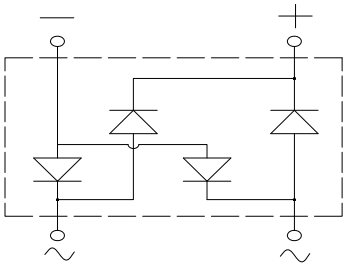
YBS22005 THRU YBS2210

RoHS
COMPLIANT





Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102

- **Polarity:** As marked on body

■Maximum Ratings (T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	YBS22005	YBS2201	YBS2202	YBS2204	YBS2206	YBS2208	YBS2210
Device marking code			YBS22005	YBS2201	YBS2202	YBS2204	YBS2206	YBS2208	YBS2210
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	V	50	100	200	400	600	800	1000
Maximum RMS Voltage	V_{RMS}	V	35	70	140	280	420	560	700
Maximum DC blocking Voltage	V_{DC}	V	50	100	200	400	600	800	1000
Average rectified output current @60Hz sine wave, R-load, Tc=110	I_O	A	2.2						
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25	I_{FSM}	A	90						
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			180						
Current squared time @1ms≤t<8.3ms Tj=25 Rating of per diode	I^2t	A^2s	33.6						
Storage temperature	T_{stg}		-55 ~ +150						
Junction temperature	Tj		-55 ~ +150						

■Electrical Characteristics T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	YBS22005	YBS2201	YBS2202	YBS2204	YBS2206	YBS2208	YBS2210
Maximum instantaneous forward voltage drop per diode	V_F	V	I_{FM}=1.1A	1.0						
Maximum DC reverse current at rated DC blocking voltage per diode	I_R	μA	Tj =25	5						
			Tj =125	100						
Typical junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	34						

■Thermal Characteristics T_a=25 Unless otherwise specified

PARAMETER		SYMBOL	UNIT	YBS22005	YBS2201	YBS2202	YBS2204	YBS2206	YBS2208	YBS2210
Typical Thermal Resistance	Between Junction and Ambient	$R_{\theta J-A}$	/W	55.0						
	Between Junction and Lead	$R_{\theta J-L}$		15.0						
	Between Junction and Case	$R_{\theta J-C}$		10.0						

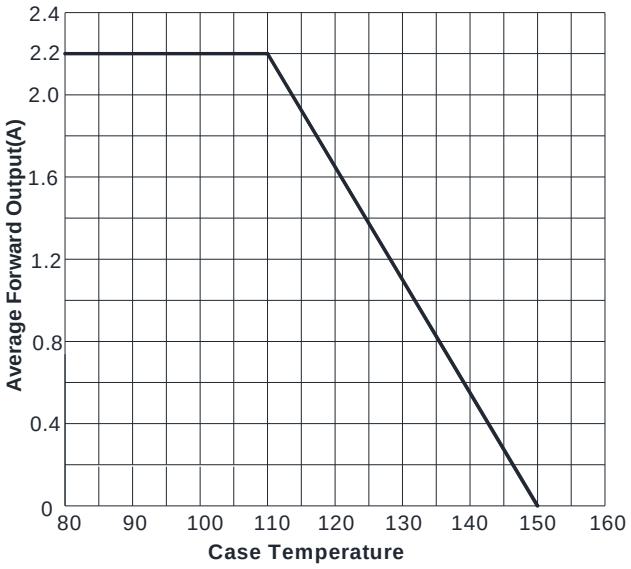
Note: Device mounted on P.C.B with 35mm*25mm*1.7mm.

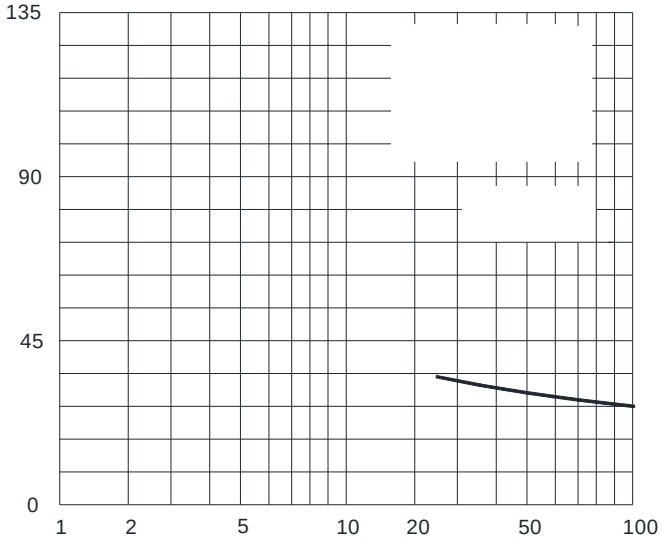
■Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
YBS22005-YBS2210	F1	Approximate 0.220	3000	/	42000	13” reel

■ Characteristics(Typical)

FIG1:Io-Tc Curve





■ **Outline Dimensions**

YBS		
Dim	**Min**	**Max**
A	5.00	5.20



■ **Suggested pad layout**

Dim	Min

Disclaimer

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