



GP1606E~GP1620E GENERAL PURPOSE RECTIFIER

Rev.1.3

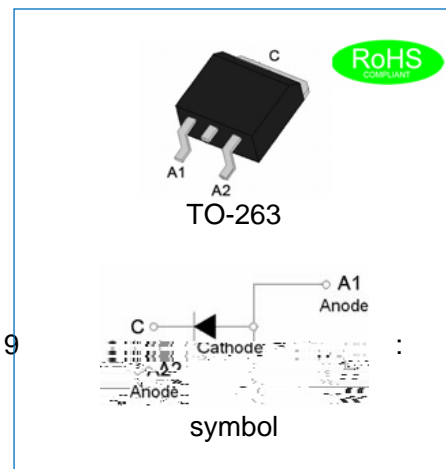
DESCRIPTION

- ◇ Plastic package has underwriters laboratories flammability classification 94V-0
- ◇ Glass passivated chip junction
- ◇ Lead free in compliance with EU RoHS 2011/65/EU directive

MECHANICAL DATA

- ◇ Case: TO-263, molded plastic over pa Ä

-263,



ABSOLUTE MAXIMUM RATING AND ELECTRICAL CHARACTERISTICS

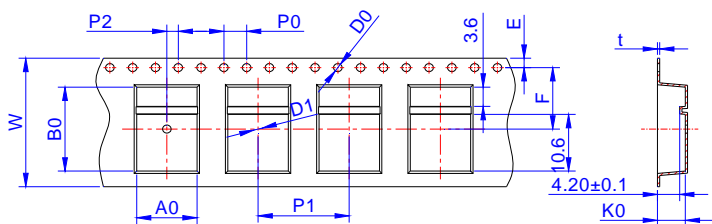
(Rating at 25 ambient temperature unless otherwise specified.)

Parameter	Symbol	GP1606E				GP1616E	GP1620E	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	600	800	1000	1200	1600	2000	V
Maximum RMS voltage	V_{RMS}	420	560	700	840	1120	1400	V
Maximum DC blocking volv								A

Peak forward surge current: 8.3ms
single half sine-wave superimposed on
rated load (JEDEC method)

	$T_j=25$	I_R	5	μA
	$T_j=150$		1	mA
Typical junction capacitance $V_R=4.0V, f=1MHz$	C_J	85	μF	
Operating junction and storage temperature range	T_J, T_{STG}	-55 to +150		

TAPE AND REEL SPECIFICATION-TO-263



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
W	23.70	24.00	24.30	0.933	0.945	0.957
E	1.65	1.75	1.85	0.065	0.069	0.073
F	11.40	11.50	11.60	0.449	0.453	0.457
D0	-	1.50	1.60	-	0.059	0.063
D1	-	1.50	1.60	-	0.059	0.063
P0	3.90	4.00	4.10	0.154	0.157	0.161
P1	15.90	16.00	16.10	0.626	0.630	0.634
P2	1.90	2.00	2.10	0.075	0.079	0.083
A0	10.80	10.90	11.00	0.425	0.429	0.433
B0	16.20	16.30	16.40	0.638	0.642	0.646
K0	4.80	4.90	5.00	0.189	0.193	0.197
t	0.35	0.40	0.45	0.014	0.016	0.018

