ACGRBT301-HF Thru. ACGRBT305-HF

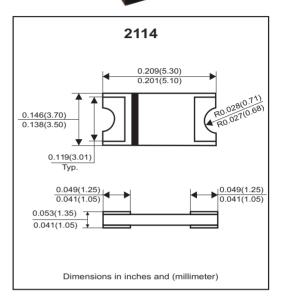
Glass Passivated Type Reverse Voltage: 200 to 1000 Volts Forward Current: 3.0 Amp RoHS Device Halogen Free

Features

- Glass passivated cavity-free junction.
- Lead less chip form, no lead damage.
- Low forward voltage drop.
- Plastic package has UL 94V-0.
- Comply with AEC-Q101

Mechanical data

- Case: Packed with FRP substrate and epoxy underfilled.
- Terminals: Pure Tin plated (Lead-Free),solderable per MIL-STD-750, method 2026.
- Polarity: Cathode Band, Laser marking.
- Weight: 0.04 grams (approx).



Circuit Diagram



Absolute Maximum Ratings (at TA=25°C unless otherwise noted)

Parameter	Symbol	ACGRBT 301-HF	ACGRBT 302-HF	ACGRBT 303-HF	ACGRBT 304-HF	ACGRBT 305-HF	Units
Max. Repetitive peak reverse voltage	Vrrm	200	400	600	800	1000	V
Peak forward surge current, 8.3ms single half sine-wave superimposed on rate load (JEDEC method)	Ігзм	95				А	
Max. Average forward current	lo	3.0			А		
Operating junction temperature	TJ	-65 to +175			°C		
Storage temperature	Тѕтс	-65 to +175			°C		

Electrical Characteristics (at TA=25°C unless otherwise noted)

Parameter	Conditions	Symbol	MIN.	TYP.	MAX.	Unit
Forward voltage	IF =3.0A	VF	-	0.94	1.00	V
Repetitive peak reverse current	Vr =Max. Vrrm, Ta=25°C	Irrm	-	0.10	5	uA
Junction capacitance	VR=4V, f=1.0MHz	Сл	-	23	-	pF
Thermal Resistance	Junction to ambient (Note)	Reja	-	74	-	°C/W
	Junction to lead (Note)	Rejl	-	10	-	0/00

Notes: 1. Thermal resistance from junction to ambient and from junction to lead P.C.B. monuted on 0.2×0.2"(5.0*5.0mm) copper pad areas.

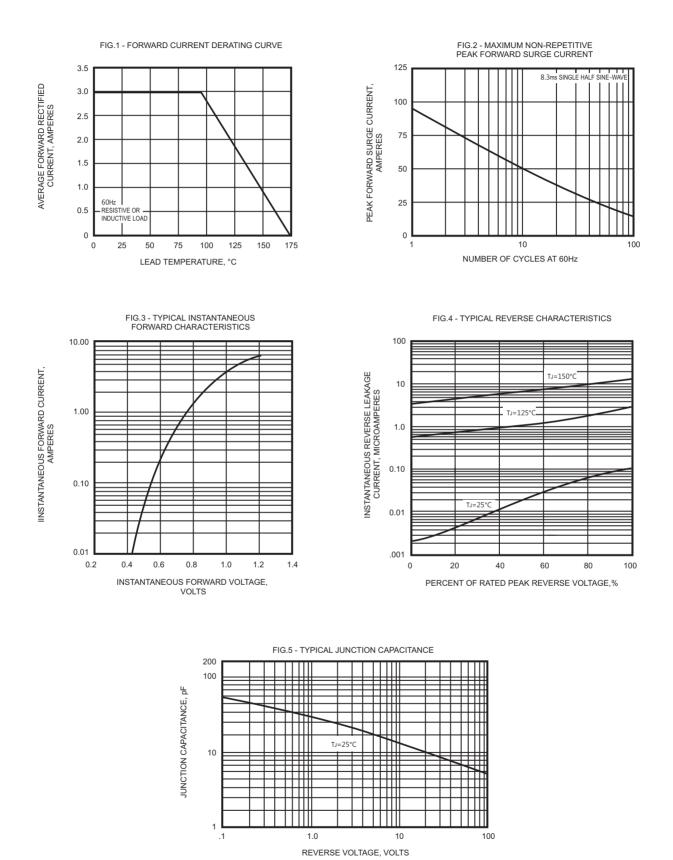
Company reserves the right to improve product design , functions and reliability without notice.



Comchip



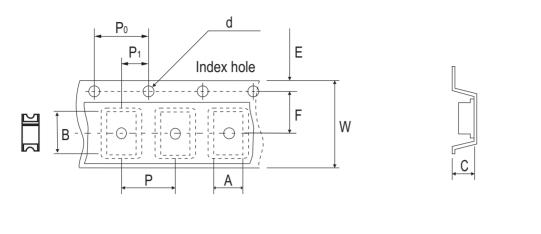
RATING AND CHARACTERISTIC CURVES (ACGRBT301-HF thru ACGRBT305-HF)

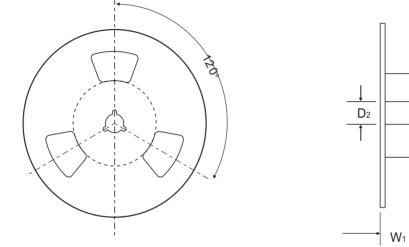


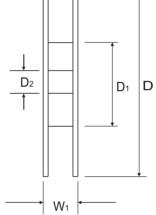
Company reserves the right to improve product design , functions and reliability without notice.

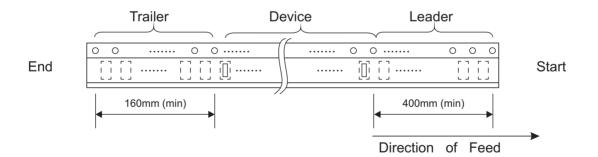


Reel Taping Specification









	SYMBOL	A	В	C	d	D	D1	D ₂
2114	(mm)	3.95 ± 0.10	5.55 ± 0.10	1.45 ± 0.10	1.50 ± 0.10	330.00 ± 2.00	50.00 MIN.	13.00 ± 0.50
	(inch)	0.156 ± 0.004	0.219 ± 0.004	0.057 ± 0.004	0.059 ± 0.004	12.992 ± 0.079	1.969 MIN.	0.512 ± 0.020
1								
	SYMBOL	E	F	Р	P₀	P1	W	W1
2114	SYMBOL (mm)	E 1.75 ± 0.10	F 5.50 ± 0.05	P 8.00 ± 0.10	P₀ 4.00 ± 0.10	P ₁ 2.00 ± 0.10	W 12.00 ± 0.30	W1 18.70 MAX.

Company reserves the right to improve product design , functions and reliability without notice.



Marking Code

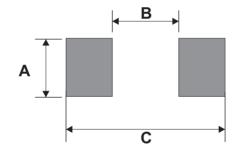
Part Number	Marking Code
ACGRBT301-HF	30D
ACGRBT302-HF	30G
ACGRBT303-HF	30J
ACGRBT304-HF	30K
ACGRBT305-HF	30M



XXX = Product type marking code

Suggested PAD Layout

SIZE	2114				
512E	(mm)	(inch)			
Α	3.00MIN.	0.118MIN.			
В	2.65MAX.	0.104MAX.			
С	6.65REF.	0.262 REF.			



Standard Packaging

	REEL PACK			
Case Type	REEL (pcs)	Reel Size (inch)		
2114	5,000	13		

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Rectifiers category:

Click to view products by Comchip manufacturer:

Other Similar products are found below :

 70HFR40
 RL252-TP
 150KR30A
 1N5397
 NTE5841
 NTE6038
 SCF5000
 1N4002G
 1N4005-TR
 JANS1N6640US
 VS-80-7161
 481235F

 RRE02VS6SGTR
 067907F
 MS306
 70HF40
 T85HFL60S02
 US2JFL-TP
 A1N5404G-G
 CRS04(T5L,TEMQ)
 ACGRA4007-HF

 ACGRB207-HF
 CLH03(TE16L,Q)
 ACGRC307-HF
 ACEFC304-HF
 NTE6356
 NTE6002
 NTE6002
 NTE6039
 NTE6077

 85HFR60
 40HFR60
 1N1186RA
 70HF120
 85HFR80
 D126A45C
 SCF7500
 D251N08B
 SCHJ22.5K
 SM100
 SCPA2
 SCH10000
 SDHD5K

 VS-12FL100S10
 ACGRA4001-HF
 D1821SH45T PR
 D1251S45T
 NTE5990
 NTE6358