

ISM

TDE100-VBB

Characteristics

TDE100-VBB is a medium-power broadband amplifier specifically designed for broadband applications in the frequency band 30 - 530 MHz.

MAIN FEATURES

- High Efficiency
- Excellent Ruggedness
- High Gain



Performance Summary

Parameter	Min.	Typ.	Max.	Units	Note
$P_{out@3dB_c}$	100			W	(*)
Frequency Range	30		530	MHz	
Power Gain @ 100W CW	50			dB	
Input Return Loss	-10			dB	
Voltage Supply		28		V_{dc}	
Bias Current		2		A	
Even Harmonics Level	-25			dB _c	
Odd Harmonics Level	-10			dB _c	
Efficiency @ 100W CW	50			%	

Notes

RF and DC Connectors



tde@tdeitaly.com



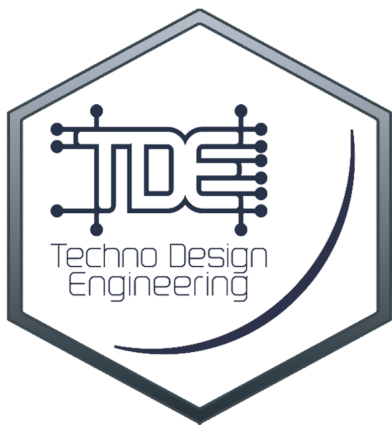
www.tdeitaly.com



(+39) 0765484028



TDE - Techno Design Engineering
Via Tiberina, 49
00065 Fiano Romano (RM) Italy



ISM

(*) The specified saturated output power is CW

- **RF Input:** SMA female
- **RF Output:** SMA female

Mechanical Specifications

Dimensions (WxLxH): 80x150x20 mm

TDE reserve the right to make changes to the product(s) or information contained herein without notice. TDE doesn't assumes responsibility for any errors which may appear in this document. Warranty information applicable to the product identified here in is available upon request. Nothing contained herein shall constitute a warranty, representation or guarantee of any kind. TDE expressly disclaims all other warranties, express and/or implied including but not limited to warranties of merchantability, and of fitness for a particular purpose, use or application.

No part of this document may be copied or reproduced in any form or by any means without the prior written consent of TDE.



tde@tdeitaly.com



www.tdeitaly.com



(+39) 0765484028



TDE - Techno Design Engineering
Via Tiberina, 49
00065 Fiano Romano (RM) Italy