

MODEL TE3201/2

PRELIMINARY

PXIe based Single/Dual Channel 20GHz 30dBm RF amplifier

Specification

RF CHARACTERISTICS			
RF Connectors:	2.92mm(K)		
Frequency Range:	100kHz to 20GHz		
Gain (in dB): Single Channel in TE3201/2	Min.	Typ.	Max.
100kHz to 100MHz:	10	12	14
100MHz to 3GHz:	10	12.5	13
3GHz to 9GHz:	8	10	11
9GHz to 20GHz:	6	8	9.5
Gain (in dB): Cascaded Channels of TE3202	Min.	Typ.	Max.
100kHz to 100MHz:	25	26	27
100MHz to 3GHz:	20	21	27
3GHz to 9GHz:	16	19	22
9GHz to 20GHz:	12	14	17
Input Return Loss:	14dB typ. (9dB Min.)		
Output Return Loss:	12dB typ. (6dB Min.)		
P1dB:	26dBm		
Psat:	29dBm		
Output IP3:	35dBm		
Noise Figure:	10dB		
Reverse Isolation:	50dB typ. (35dB Min.)		
Second Harmonic:	20dBc @ Pout +25 dBm		

RF Input Power:	
TE3201	20dBm Max.
TE3202	10dBm Max.
Protection:	Reverse Polarity, Over Voltage, Under Voltage, Over Current, and Open-Short Load

GENERAL	
Voltage:	+12V
Current Consumption:	
TE3201	+12V 1A
TE3202	+12V 2A
Power Dissipation:	
TE3201	11W typ.
TE3202	22W typ.
Dimensions:	Single slot PXIe
Weight:	
Without Package:	0.5 Kg
Shipping Weight:	1.5 Kg
Temperature:	
Operating:	0°C to +50°C
Storage:	-40°C to +70°C
Warm up time:	15 minutes
Humidity:	85% RH, non-condensing
Safety:	CE Marked, IEC61010-1:2010
EMC:	IEC 61326-1:2013
Calibration:	2 years
Warranty*:	3 year standard * 1 year standard in India



ORDERING INFORMATION	
MODEL	DESCRIPTION
TE3201	PXIe based Single Channel 20GHz
TE3202	PXIe based Dual Channel 20GHz 30dBm RF amplifier
CAS	Jumper cable for TE3202 for cascading CH1 and CH2

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